

Research Papers In The Journals Notified On Ugc Website During The Last Five Years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Multi-response optimization of process parameters based on response surface methodology for pure titanium using WEDM process	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, M. M. University, Mullana, Ambala Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala Punjab, India; Department of Mechanical Engineering, N.I.T., Kurukshetra, Kurukshetra Haryana, India	International Journal of Advanced Manufacturing Technology	2013	ISSN: 0268-3768 (print version) ISSN: 1433-3015 (electronic version)
An investigation into modelling thermal conductivity for alumina-water nanofluids	Mallick S.S., Mishra A., Kundan L.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab-147004, India	Powder Technology	2013	ISSN: 0032-5910
Surface characterization and material migration during surface modification of die steels with silicon, graphite and tungsten powder in EDM process	Bhattacharya A., Batish A., Kumar N.	Mechanical Engineering Department, Thapar University, Patiala, 147-004 Punjab, India	Journal of Mechanical Science and Technology	2013	
Non-linear flexural and dynamic response of CNT reinforced laminated composite plates	Bhardwaj G., Upadhyay A.K., Pandey R., Shukla K.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147 001, India; Department of Applied Mechanics, MNIT, Allahabad, UP 211 004, India	Composites Part B: Engineering	2013	ISSN: 1359-8368
Experimental investigation on material transfer mechanism in wedm of pure titanium (Grade-2)	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, M.M.University, Mullana, Ambala, Haryana 133207, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, Haryana 136119, India	Advances in Materials Science and Engineering	2013	
Investigation of machining parameters and surface integrity in wire electric discharge machining of pure titanium	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, M. M. University Mullana-Ambala, Mullana-Ambala 133203, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, Haryana, India	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2013	ISSN: 0954-4054

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EDM of metal matrix composite for parameter design using lexicographic goal programming	Sidhu S.S., Batish A., Kumar S.	Department of Mechanical Engineering, Thapar University, Patiala 147004, India; Department of Mechanical Engineering, PEC University of Technology, Chandigarh, India	Materials and Manufacturing Processes	2013	
Effect of addition of fly ash and drag reducing on the rheological properties of bottom ash	Kumar S., Mohapatra S.K., Gandhi B.K.	Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical and Industrial Engineering Department, IIT Roorkee, India	International Journal of Mechanical and Materials Engineering	2013	2198-2791
Fabrication and electrical discharge machining of metal-matrix composites: A review	Sidhu S.S., Batish A., Kumar S.	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India; Mechanical Engineering Department, PEC, Chandigarh, India	Journal of Reinforced Plastics and Composites	2013	
Effect of geometric and operating parameters on performance of helical coiled tube heat exchanger	Purandare P.S., Lele M.M., Gupta R.	Department of Mechanical Engineering, Thapar University, K1/203, Amrutganga, Sinhgad Road, Vadgaon (BK), Pune - 411051, India; Department of Mechanical Engineering, Maharashtra Institute of Technology, Pune, India; Department of Chemical Engineering of Thapar University Patiala, India	International Review of Mechanical Engineering	2013	
Validated scale-up procedure to predict blockage condition for fluidized dense-phase pneumatic conveying systems	Setia G., Mallick S.S., Wypych P.W., Pan R.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India; Faculty of Engineering, University of Wollongong, Wollongong, NSW 2522, Australia; Fujian Longking Corporation, Longyan City, Fujian 364000, China	Particuology	2013	ISSN: 1674-2001

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Reliability modelling and analysis of component based software system: A graph theoretic systems approach	Upadhyay N., Deshpande B.M., Agrawal V.P.	Software Engineering R and D Lab, Samsung India Software Operations, Bangalore 560093, India; Department of Computer Science, BITS Pilani, K.K. Birla Goa Campus, Goa 403726, India; Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Reliability and Safety	2013	
Wear performance of Cu-alloyed austempered ductile iron	Batra U., Batra N., Sharma J.D.	Department of Materials and Metallurgical Engineering, PEC, University of Technology, Chandigarh, India; Mechanical Engineering Department, Thapar University, Patiala 147004, Punjab, India	Journal of Materials Engineering and Performance	2013	
Neural network-based modeling to predict residual stresses during electric discharge machining of Al/SiC metal matrix composites	Sidhu S.S., Batish A., Kumar S.	Department of Mechanical Engineering, Thapar University, Patiala 147004, Punjab, India; Department of Mechanical Engineering, PEC, University of Technology, Chandigarh, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2013	
Biomass-based gasifiers for internal combustion (IC) engines-A review	Malik A., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, 147 004, India	Sadhana - Academy Proceedings in Engineering Sciences	2013	ISSN 0256-2499
Investigating straight-pipe pneumatic conveying characteristics for fluidized dense-phase pneumatic conveying	Bansal A., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab-147004, India; Faculty of Engineering, University of Wollongong, Wollongong, NSW, Australia	Particulate Science and Technology	2013	ISSN:0272-6351

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Diagnostics for pretesting questionnaires: A comparative analysis	Nanda T., Gupta H., Kharub M., Singh N.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Mechanical Engineering, M.E (Production and Industrial Engineering), Thapar University, Patiala, India	International Journal of Technology, Policy and Management	2013	ISSN print: 1468-4322
Electric discharge machining of 10vol% AL2O3/AL metal matrix composite - An experimental study	Sidhu S.S., Kumar S., Batish A.	Department of Mechanical Engineering, Thapar University, Patiala - 147004, India; Department of Mechanical Engineering, Punjab Engineering College, Chandigarh, India	Materials Science Forum	2013	
Mechatronic system reliability modelling and analysis: A graph theoretic approach	Kiran C.P., Clement S., Agrawal V.P.	Department of Mechanical Engineering, BITS-Pilani, Hyderabad Campus, Jawahar Nagar, Shameerpet Mandal, Hyderabad 500078, India; Department of Mechanical Engineering, BITS-Pilani, KK Birla Goa Campus, Zuari Nagar, Goa 403726, India; Mechanical Engineering Department, Thapar University, P.O. Box 32, Patiala, Punjab 147004, India	International Journal of Reliability and Safety	2013	
Investigation on centrifugal slurry pump performance with variation of operating speed	Kumar S., Mohapatra S.K., Gandhi B.K.	Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical and Industrial Engineering Department, IIT Roorkee, India	International Journal of Mechanical and Materials Engineering	2013	ISSN:1823-0334
Modeling dense-phase pneumatic conveying of powders using suspension density	Mallick S.S., Wypych P.W., Pan R.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab-147004, India; Faculty of Engineering, University of Wollongong, Wollongong, NSW, Australia; Fujian Longking Co., Ltd., Longyan, Fujian, China	Particulate Science and Technology	2013	ISSN:0272-6351
Predictor equations for estimating crater dimensions in PMEDM process using fem simulation and experimental validation	Bhattacharya A., Batish A.	Mechanical Engineering Department, Thapar University, Patiala - 147004, India	Materials Science Forum	2013	
Dynamic Analysis of Condenser Assembly of Automobile Air Conditioning System Using CAE Tools	Singh M., Singh D., Saini J.S.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of The Institution of Engineers (India): Series C	2013	ISSN: 2250-0545

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Effects of different parameters on delamination factor of glass fiber reinforced plastic (GFRP)	Sharma V., Kumar V., Kumar H.	Department of Mechanical Engineering, Haryana Institute of Engineering and Technology, Bahadurgarh, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, UIET, Panjab University, Chandigarh, Punjab, India	International Journal of Manufacturing, Materials, and Mechanical Engineering	2013	
Study of surface properties in particulate-reinforced metal matrix composites (MMCs) using powder-mixed electrical discharge machining (EDM)	Sidhu S.S., Batish A., Kumar S.	Department of Mechanical Engineering, Thapar University, Patiala 147004, India; Department of Mechanical Engineering, PEC University of Technology, Chandigarh, India	Materials and Manufacturing Processes	2014	ISSN:0272-6351
Vehicular traffic noise modeling using artificial neural network approach	Kumar P., Nigam S.P., Kumar N.	Mechanical Engineering Department, Delhi Technological University, Delhi 110042, India; Mechanical Engineering Department, Thapar University, Patiala 147004, India	Transportation Research Part C: Emerging Technologies	2014	
Microwave cladding: A new approach in surface engineering	Gupta D., Sharma A.K.	Department of Mechanical Engineering, Thapar University, Patiala 147004, India; Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee 247667, India	Journal of Manufacturing Processes	2014	ISSN: 1526-6125
A hybrid Taguchi-artificial neural network approach to predict surface roughness during electric discharge machining of titanium alloys	Kumar S., Batish A., Singh R., Singh T.P.	Department of Mechanical Engineering, Thapar University, Patiala, 147004 Punjab, India; Department of Production Engineering, GNDEC, Ludhiana, 141006 Punjab, India; Symbiosis Institute of Technology, Pune, 411042 Maharashtra, India	Journal of Mechanical Science and Technology	2014	
Performance characteristics of centrifugal slurry pump with multi-sized particulate bottom and fly ash mixtures	Kumar S., Gandhi B.K., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, 147004, India; Department of Mechanical and Industrial Engineering, IIT Roorkee, India	Particulate Science and Technology	2014	ISSN:0272-6351

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Microstructure analysis and material transformation of pure titanium and tool wear surface after wire electric discharge machining process	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, Maharishi Markandeshwar University, Mullana-Ambala-133207 Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, N.I.T, Kurukshetra, Haryana, India	Machining Science and Technology	2014	
On improving solid friction factor modeling for fluidized dense-phase pneumatic conveying systems	Setia G., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India; Faculty of Engineering, University of Wollongong, Wollongong, NSW 2522, Australia	Powder Technology	2014	ISSN: 0032-5910
A multipoint method for 5-axis machining of triangulated surface models	Duvedi R.K., Bedi S., Batish A., Mann S.	Thapar University, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	Computer-Aided Design	2014	ISSN: 0010-4485
Hard turning: Parametric optimization using genetic algorithm for rough/finish machining and study of surface morphology	Batish A., Bhattacharya A., Kaur M., Cheema M.S.	Mechanical Engineering Department, Thapar University, Patiala, 147004 Punjab, India	Journal of Mechanical Science and Technology	2014	
Influence of heat input in automatic GMAW: Penetration prediction and microstructural observation	Bhattacharya A., Bera T.K., Suri V.K.	Mechanical Engineering Department, Thapar University, Patiala, India	Materials and Manufacturing Processes	2014	ISSN 1042-6914 (Print), 1532-2475 (Online)
An investigation into flow mode transition and pressure fluctuations for fluidized dense-phase pneumatic conveying of fine powders	Mittal A., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Faculty of Engineering and Information Sciences, University of Wollongong, Wollongong, NSW, Australia	Particuology	2014	ISSN: 1674-2001
Anisotropic CuO nanostructures of different size and shape exhibit thermal conductivity superior than typical bulk powder	Pal B., Mallick S.S., Pal B.	Thapar University, Patiala 147004, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; School of Chemistry and Biochemistry, Thapar University, Patiala 147004, Punjab, India	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2014	ISSN 0927-7757

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D-H parameters augmented with dummy frames for serial manipulators containing spatial links	Singh A., Singla A., Soni S.	Department of Mechanical Engineering, Thapar University Patiala, Punjab, India	The 23rd IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN 2014), pp. 975-980, August 25-29, 2014, Edinburg, Scotland, UK (2014).	2014	ISSN 1944-9445
Surface roughness and profile error in precision diamond turning of C18000	Gupta A., Ramagopal S.V., Batish A., Bhattacharya A.	Mechanical Engineering Department, Thapar University, Patiala, India; National Aspheric Lab., CSIR-CSIO, Chandigarh, India	Materials and Manufacturing Processes	2014	
Development of automatic GMAW setup for process improvements: Experimental and modeling approach	Bhattacharya A., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala 147004, India	Materials and Manufacturing Processes	2014	ISSN 1042-6914 (Print), 1532-2475 (Online)
Structural Modeling and Analysis of Water Resources Development and Management System: A Graph Theoretic Approach	Ratha D., Agrawal V.P.	Department of Civil Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Water Resources Management	2014	
Damage detection in submerged plates using ultrasonic guided waves	Sharma S., Mukherjee A.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Civil Engineering, Curtin University, Bentley, WA, Australia	Sadhana - Academy Proceedings in Engineering Sciences	2014	ISSN: 0256-2499
Modeling thermal conductivity for alumina-water nanofluids	Mishra A., Kundan L., Mallick S.S.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab-147004, India	Particulate Science and Technology	2014	ISSN:0272-6351
Transportation performance of highly concentrated coal-water slurries prepared from Indian coals	Chakravarty A., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar University, Patiala, India	Applied Mechanics and Materials	2014	ISSN:1662-7482
Determining safe limits for significant task parameters during manual lifting	Singh R.P., Batish A., Singh T.P.	Department of Mechanical Engineering, Thapar University, Patiala, 147004, India	Workplace Health and Safety	2014	
An experimental study to evaluate the effect of ambient temperature during manual lifting and design of optimal task parameters	Singh R.P., Batish A., Singh T.P., Bhattacharya A.	Mechanical Engineering Department, Thapar University, Patiala - 147004, India; Symbiosis Institute of Technology, Pune, India	Human Factors and Ergonomics In Manufacturing	2014	
Finite element modeling and analysis of powder mixed electric discharge machining process for temperature distribution and volume removal considering multiple craters	Singh H., Bhattacharya A., Batish A.	Mechanical Engineering Department, Thapar University, Patiala - 147004, India	International Journal of Modeling, Simulation, and Scientific Computing	2014	

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Experimental investigation on heat transfer and pressure drop of conical coil heat exchanger with parameters tube diameter, fluid flow rates and cone angle	Purandare P.S., Lele M.M., Gupta R.K.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Maharashtra Institute of Technology, Pune, India; Department of Chemical Engineering, Thapar University, Patiala, India	Thermal Science	2014	
A novel ball end magnetorheological finishing process	Anant K.S., Jha S., Pulak M.P.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Indian Institute of Technology, New Delhi, India	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	2014	
Microwave processing of materials and applications in manufacturing industries: A Review	Singh S., Gupta D., Jain V., Sharma A.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, India	Materials and Manufacturing Processes	2015	ISSN: 1042-6914
Pristine and amino functionalized carbon nanotubes reinforced glass fiber epoxy composites	Garg M., Sharma S., Mehta R.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Civil Engineering, Thapar University, Patiala, India; Department of Chemical Engineering, Thapar University, Patiala, India	Composites Part A: Applied Science and Manufacturing	2015	
Performance analysis of ball end magnetorheological finishing process with MR polishing fluid	Singh A.K., Jha S., Pandey P.M.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi, India	Materials and Manufacturing Processes	2015	
Influence of current and shielding gas in TiO ₂ flux activated tig welding on different graded steels	Tathgir S., Bhattacharya A., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2015	ISSN 1042-6914 (Print), 1532-2475 (Online)
Ultrasonic guided waves for monitoring corrosion in submerged plates	Sharma S., Mukherjee A.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Civil Engineering, Curtin University, Bentley, WA, Australia	Structural Control and Health Monitoring	2015	ISSN:1545-2263

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Development and analysis of tribological behavior of microwave processed EWAC + 20% WC10Co2Ni composite cladding on mild steel substrate	Pathania A., Singh S., Gupta D., Jain V.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Journal of Manufacturing Processes	2015	ISSN: 1526-6125
Mechanical and metallurgical studies in double shielded GMAW of dissimilar stainless steels	Kumar R., Bhattacharya A., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2015	.ISSN 1042-6914 (Print), 1532-2475 (Online)
Creep analysis of a variable thickness rotating FGM disc using Tresca criterion	Khanna K., Gupta V.K., Nigam S.P.	Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Punjabi University, Patiala, India	Defence Science Journal	2015	
Comparative study for surface topography of bone drilling using conventional drilling and loose abrasive machining	Singh G., Jain V., Gupta D.	Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2015	ISSN: 0954-4119
Investigation on thermal analysis of conical coil heat exchanger	Purandare P.S., Lele M.M., Gupta R.K.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Maharashtra Institute of Technology, Pune, India; Department of Chemical Engineering, Thapar University, Patiala, India	International Journal of Heat and Mass Transfer	2015	
Experimental Investigation and Optimization of Process Parameters of Al/SiC MMCs Finished by Abrasive Flow Machining	Sushil M., Vinod K., Harmesh K.	Mechanical Engineering Department, Thapar University, Nabha Road, Patiala, Punjab, India; Department of Mechanical Engineering, UIET Chandigarh, India	Materials and Manufacturing Processes	2015	
Modeling minimum transport boundary for fluidized dense-phase pneumatic conveying systems	Setia G., Mallick S.S., Pan R., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Fujian Longking Co. Ltd., No. 81, Lingyuan Road, Longyan City, Fujian, China; Faculty of Engineering and Information Sciences, University of Wollongong, Wollongong, NSW, Australia	Powder Technology	2015	ISSN: 0032-5910
Modelling fluidized dense-phase pneumatic conveying of fly ash	Setia G., Mallick S.S.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Powder Technology	2015	ISSN: 0032-5910

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Semi-empirical model on MRR and overcut in WEDM process of pure titanium using multi-objective desirability approach	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, M.M. University, Mullana-Ambala, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, N.I.T, Kurukshetra, Haryana, India	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2015	
Linear Stability Analysis of Hydrodynamic Journal Bearings with a Flexible Liner and Micropolar Lubrication	Bansal P., Chattopadhyay A.K., Agrawal V.P.	Mechanical Engineering Department, Mody Institute of Technology and Science, Lakshmangarh, Rajasthan, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Tribology Transactions	2015	
Material transfer mechanism during magnetic field-assisted electric discharge machining of AISI D2, D3 and H13 die steel	Bhattacharya A., Batish A., Bhatt G.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2015	
A quantitative analysis of the relationship between drivers of innovativeness and performance of MSMEs	Gupta H., Nanda T.	School of Mechanical Engineering, Lovely Professional University, Jalandhar, India; Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Technology, Policy and Management	2015	ISSN print: 1468-4322
An investigation into pressure fluctuations for fluidized dense-phase pneumatic transport of fine powders	Mittal A., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Faculty of Engineering and Information Sciences, University of Wollongong, Wollongong, NSW, Australia	Powder Technology	2015	ISSN: 0032-5910
Energy loss at bends in the pneumatic conveying of fly ash	Tripathi N., Sharma A., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Faculty of Engineering and Information Sciences, University of Wollongong, Wollongong, NSW, Australia	Particuology	2015	ISSN: 1674-2001

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Extension of D-H parameter method to hybrid manipulators used in robot-assisted surgery	Singh A., Singla A., Soni S.	Department of Mechanical Engineering, MEFGI, Rajkot, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Biomedical Instrumentation Division, Council of Scientific and Industrial Research - Central Scientific Instruments Organization, Chandigarh, India	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2015	ISSN 0954-4119
Analysis of residual stresses in particulate reinforced aluminium matrix composite after EDM	Sidhu S.S., Batish A., Kumar S.	Department of Mechanical Engineering, BCET, Gurdaspur, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Punjab Engineering College, Chandigarh, India	Materials Science and Technology (United Kingdom)	2015	
Ultrasonic guided waves for monitoring corrosion of FRP wrapped concrete structures	Sharma A., Sharma S., Sharma S., Mukherjee A.	Civil Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India; Civil Engineering Department, Curtin University, Bentley, WA, Australia	Construction and Building Materials	2015	ISSN: 0950-0618
Numeric implementation of drop and tilt method of 5-axis tool positioning for machining of triangulated surfaces	Duvedi R.K., Bedi S., Batish A., Mann S.	Thapar University, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	International Journal of Advanced Manufacturing Technology	2015	ISSN: 0268-3768 (print version) ISSN: 1433-3015 (electronic version)
Powder mixed dielectric: An approach for improved process performance in EDM	Batish A., Bhattacharya A., Kumar N.	Mechanical Engineering Department, Thapar University, Patiala-147004, India; Mechanical Engineering Department, Sharda University, Greater Noida, India	Particulate Science and Technology	2015	ISSN:0272-6351
Taguchi optimization of tribological properties of Al/Gr/B4C composite	Sharma A., Garg M., Singh S.	Department of Mechanical Engineering, Maharishi Markandeshwar University, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Industrial Lubrication and Tribology	2015	
Mechanical and wear properties of SiC/Graphite reinforced Al359 alloy-based metal matrix composite	Bansal S., Saini J.S.	Mechanical Engineering Department, Thapar University, Patiala, India	Defence Science Journal	2015	0011-748X

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Phase-dependent thermophysical properties of α - and γ -Al ₂ O ₃ in aqueous suspension	Pal B., Mallick S.S., Pal B.	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India; Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Industrial and Engineering Chemistry	2015	ISSN 1226-086X
A non-contact technique for damage monitoring in submerged plates using guided waves	Sharma S., Mukherjee A.	Mechanical Engineering Dept., Thapar Univ., Patiala, India; Department of Civil Engineering, Curtin University, Bentley, WA, Australia	Journal of Testing and Evaluation	2015	ISSN: 0090-3973
Scallop height of 5-axis machining of large triangles with a flat end mill	Duvedi R.K., Batish A., Bedi S., Mann S.	Thapar University, India; University of Waterloo, Canada	Computer-Aided Design and Applications	2015	Online ISSN: 1686-4360
Analysis of Dry Sliding Behavior of Al ₂ O ₃ /B ₄ C/Gr Aluminum Alloy Metal Matrix Hybrid Composite Using Taguchi Methodology	Singh S., Garg M., Batra N.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Maharishi Markandeshwar University, Mullana, Haryana, India	Tribology Transactions	2015	
Microstructural analysis and tribological behavior of aluminum alloy reinforced with hybrid alumina/nanographite particles	Singh S., Singh G., Kumar L., Singh S.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	2015	
On cutter deflection profile errors in end milling: Modeling and experimental validation	Bhattacharya A., Bera T.K., Thakur A.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2015	ISSN 1042-6914 (Print), 1532-2475 (Online)
Study of a 30 MW bubbling fluidized bed combustor based on co-firing biomass and coal	Kumar H., Mohapatra S.K., Singh R.I.	Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Birla Institute of Technology and Science, Pilani, India	Sadhana - Academy Proceedings in Engineering Sciences	2015	ISSN 1042-6914 (Print), 1532-2475 (Online)
Modeling and simulation study of BAJA SAEINDIA all terrain vehicle (ATV) using integrated MBD-FEA approach	Kakria S., Sriharsha I., Wagh M.	Thapar University, Patiala, Punjab, India; Maruti Suzuki India Limited, India	SAE Technical Papers	2015	

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Modal analysis of human body vibration model for Indian subjects under sitting posture	Singh I., Nigam S.P., Saran V.H.	Department of Mechanical Engineering, School of Engineering and Emerging Technologies (SEET), Baddi University of Emerging Sciences and Technology (BUEST), Baddi, India; Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical & Industrial Engineering Department, IIT Roorkee, Roorkee, India; Department of Mechanical Engineering, School of Engineering and Emerging Technologies (SEET), Baddi University of Emerging Sciences and Technology (BUEST), Makhnumajra, Baddi, Distt, Solan, India	Ergonomics	2015	
Three-dimensional CFD modelling of a fluidised bed combustor fuelled by biomass and coal	Kumar H., Mohapatra S.K., Singh R.I.	Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Birla Institute of Technology and Science, Pilani, India	Materials Research Innovations	2015	ISSN: 1432-8917
Accurate and Fast Algorithm for the Plotting of Contours Using Eight Node Quadrilateral Meshes	Singh C., Saini J.S.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Computer Science, Punjabi University, Patiala, Punjab, India	Journal of The Institution of Engineers (India): Series B	2015	2250-2114 (electronic version)
Effect of Processing Methods and Die Design Parameters on Green Properties of WC-Co Nanopowder Pellets	Kumar D., Singh K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; School of Physics and Materials Science, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2015	Print ISSN: 1042-6914 Online ISSN: 1532-2475

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Shape dependent thermal conductivity of TiO ₂ -deionized water and ethylene glycol dispersion	Pal B., Mallick S.S., Pal B.	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Nanoscience and Nanotechnology	2015	ISSN 1533-4880
Mechanical and wear properties of hybrid epoxy nanocomposites	Thind K.S., Singh J., Saini J.S., Bhunia H.	Mechanical Engineering Department, Chemical Engineering Department, Thapar University, Patiala, India; Chemical Engineering Department, Thapar University, Patiala, India	Indian Journal of Engineering and Materials Sciences	2015	0975-1017
Experimental investigation of magnetic field assisted powder mixed electric discharge machining	Bhatt G., Batish A., Bhattacharya A.	Department of Mechanical Engineering, Thapar University, Patiala, India	Particulate Science and Technology	2015	ISSN:0272-6351
Study the surface characteristics of cryogenically treated tool- electrodes in powder mixed electric discharge machining process	Kumar S., Singh R., Batish A., Singh T.P.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Production Engineering, GNDEC, Ludhiana, Punjab, India; Symbiosis Institute of Technology, Pune, Maharashtra, India	Materials Science Forum	2015	
Vibration suppression during input tracking of a flexible manipulator using a hybrid controller	Singla A., Tewari A., Dasgupta B.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Aerospace Engineering, Indian Institute of Technology Kanpur, Kanpur, India; Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, India	Sadhana - Academy Proceedings in Engineering Sciences	2015	ISSN 0256-2499
An investigation into pressure fluctuations and improved modeling of solids friction for dense-phase pneumatic conveying of powders	Mittal A., Setia G., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Faculty of Engineering and Information Sciences, University of Wollongong, Wollongong, NSW, Australia	Particulate Science and Technology	2015	ISSN: 0272-6351 Online ISSN: 1548-0046
Preface	Mallick S.S.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Particulate Science and Technology	2015	ISSN:0272-6351

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CAE Analysis, Optimization and Fabrication of Formula SAE Vehicle Structure	Kakria S., Singh D.	Mechanical Engineering Dept., Thapar University, Patiala, Punjab, India	SAE Technical Papers	2015	na
Heat transfer in jacketed vessel equipped with down-pumping pitched blade turbine	Chandra A., Singh H.	Department of Chemical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Computational Thermal Sciences	2015	
Exploring the determinants of technology innovation in MSMEs	Singh D., Khamba J.S., Nanda T.	Department of Mechanical Engineering, Punjabi University, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	International Journal of Engineering Research in Africa	2015	ISSN: 1663-4144
Instantaneous exhaust emissions and fuel consumption in gasoline vehicles: Testing and empirical analysis	Singh M., Sharma A., Jain V.	Mech. Engg. Dept., Lovely Professional University, Jalandhar, India; Mech. Engg. Dept., Thapar University, Patiala, India	International Journal of Vehicle Structures and Systems	2015	
Analysis of major problems faced by small firms in North India	Singh D., Khamba J.S., Nanda T.	Department of Mechanical Engineering, Punjabi University, Patiala (Punjab), India; Department of Mechanical Engineering, Thapar University, Patiala (Punjab), India	International Journal of Engineering Research in Africa	2015	ISSN: 1663-4144
Investigating creep performance and predicting rupture time for rotating FGM disc under different thermal gradients	Khanna K., Gupta V.K., Nigam S.P.	Mechanical Engineering Dept., Thapar University, Patiala, India; Mechanical Engineering Dept., Punjabi University, Patiala, India	Computers, Materials and Continua	2015	
CFD analysis of a fluidized bed combustor based on co-firing	Kumar H., Mohapatra S.K., Singh R.I.	Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Birla Institute of Technology and Science, Pilani, India	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	2015	
On Surface Finish and Dimensional Accuracy of FDM Parts after Cold Vapor Treatment	Garg A., Bhattacharya A., Batish A.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2016	

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Metal Matrix Composites for Thermal Management: A Review	Sidhu S.S., Kumar S., Batish A.	Department of Mechanical Engineering, Beant College of Engineering and Technology, Gurdaspur, India; Department of Mechanical Engineering, PEC University of Technology Chandigarh, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Critical Reviews in Solid State and Materials Sciences	2016	
Magnetorheological methods for nanofinishing – a review	Bedi T.S., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Particulate Science and Technology	2016	ISSN:0272-6351
A review of tool wear prediction during friction stir welding of aluminium matrix composite	BIST A., SAINI J.S., SHARMA B.	Mechanical Engineering Department, Graphic Era University, Dehradun, Uttarakhand, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Transactions of Nonferrous Metals Society of China (English Edition)	2016	1003-6326
Recent applications of microwaves in materials joining and surface coatings	Singh S., Gupta D., Jain V.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2016	ISSN: 0954-4054
Novel microwave composite casting process: Theory, feasibility and characterization	Singh S., Gupta D., Jain V.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Materials and Design	2016	ISSN: 0264-1275
Influence of Particle-Size Distribution and Temperature on Rheological Behavior of Coal Slurry	Singh M.K., Ratha D., Kumar S., Kumar D.	Department of Civil Engineering, Thapar University, Thapar Technology Campus, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, K. C. Institute of Engg and Technology, Pandoga, India	International Journal of Coal Preparation and Utilization	2016	ISSN: 1939-2702
Dissimilar joining between austenitic and duplex stainless steel in double-shielded GMAW: A comparative study	Bhattacharya A., Kumar R.	Department of Mechanical Engineering, Thapar University, Bhadson Road, Patiala, Punjab, India	Materials and Manufacturing Processes	2016	
Activated-TIG welding of different steels: Influence of various flux and shielding gas	Tathgir S., Bhattacharya A.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2016	

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Performance evaluation of nanofluid (Al ₂ O ₃ /H ₂ O-C ₂ H ₆ O ₂) based parabolic solar collector using both experimental and CFD techniques	Ajay K., Kundan L.	Mechanical Engineering Department, Thapar University, India	International Journal of Engineering, Transactions A: Basics	2016	ISSN: 10252495
Optimization of process parameters for drilled hole quality characteristics during cortical bone drilling using Taguchi method	Singh G., Jain V., Gupta D., Ghai A.	Thapar University, Patiala, Punjab, India	Journal of the Mechanical Behavior of Biomedical Materials	2016	ISSN: 1751-6161
An inverse trigonometric shear deformation theory for supersonic flutter characteristics of multilayered composite plates	Grover N., Singh B.N., Maiti D.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Aerospace Engineering, Indian Institute of Technology, Kharagpur, West Bengal, India	Aerospace Science and Technology	2016	ISSN: 1270-9638
Experimental investigations on flow induced vibration of an externally excited flexible plate	Purohit A., Darpe A.K., Singh S.P.	Department of Mechanical Engineering, Thapar University, Patiala, India; Vibration Research Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, India	Journal of Sound and Vibration	2016	ISSN: 0022-460X
Modeling solids friction factor for fluidized dense-phase pneumatic transport of powders using two layer flow theory	Setia G., Mallick S.S., Pan R., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Fujian Longking Co., Ltd., No. 81, Lingyuan Road, Longyan, Fujian, China; Faculty of Engineering, University of Wollongong, Wollongong, NSW, Australia	Powder Technology	2016	ISSN: 0032-5910
Surface crack density and recast layer thickness analysis in WEDM process through response surface methodology	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, Maharishi Markendeshwar University, Mullana-Ambala, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, Haryana, India	Machining Science and Technology	2016	

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Processing of Functionalized and Pristine Carbon Nanotube Epoxy Composites with Silane-Treated Glass Fiber	Garg M., Sharma S., Mehta R.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Civil Engineering, Thapar University, Patiala, India; Department of Chemical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2016	
Controlled Phase Transformation Simulations to Design Microstructure for Tailored Mechanical Properties in Steel	Singh S., Nanda T., Kumar B.R., Singh V.	Department of Mechanical Engineering, Thapar University, Patiala, India; MST Division, National Metallurgical Laboratory, Jamshedpur, India	Materials and Manufacturing Processes	2016	ISSN: 1042-6914
A simulation study of pearlite-to-austenite transformation kinetics in rapidly heated hot-rolled low carbon steel	Sharma S., Nanda T., Adhikary M., Venugopalan T., Kumar B.R.	Mechanical Engineering Department, Thapar University, Patiala, India; Tata Steel Limited, Jamshedpur, India; CSIR-National Metallurgical Laboratory, Jamshedpur, India	Materials and Design	2016	ISSN: 0264-1275
Multi-objective optimization of laser curve cutting of aluminium metal matrix composites using desirability function approach	Sharma V., Kumar V.	Department of Mechanical Engineering, Chandigarh University, Mohali, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2016	
The edge-torus tangency problem in multipoint machining of triangulated surface models	Duvedi R.K., Bedi S., Batish A., Mann S.	Thapar University, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	International Journal of Advanced Manufacturing Technology	2016	ISSN: 0268-3768 (print version) ISSN: 1433-3015 (electronic version)
Experimental and CFD investigation on the efficiency of parabolic solar collector involving $\text{Al}_2\text{O}_3/\text{H}_2\text{O}$ (DI) nanofluid as a working fluid	Ajay K., Kundan L.	Department of Mechanical Engineering, Thapar University, India	International Journal of Renewable Energy Research	2016	ISSN: 1309-0127
An investigation on thermal necrosis during bone drilling	Singh G., Gahi A., Jain V., Gupta D.	Thapar University, Patiala, Punjab, India	International Journal of Machining and Machinability of Materials	2016	ISSN online: 1748-572X
Vehicular traffic noise prediction using soft computing approach	Singh D., Nigam S.P., Agrawal V.P., Kumar M.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Civil Engineering, Thapar University, Patiala, Punjab, India	Journal of Environmental Management	2016	ISSN: 0301-4797

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Performance and exhaust emission characteristics of variable compression ratio diesel engine fuelled with esters of crude rice bran oil	Vasudeva M., Sharma S., Mohapatra S.K., Kundu K.	Mechanical Engineering Department, Baddi University of Emerging Sciences and Technology, Baddi, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Biofuel Department, Mechanical Engineering Research and Development Organization, Ludhiana, India	SpringerPlus	2016	
Effect of ferrite-martensite interface morphology on bake hardening response of DP590 steel	Chakraborty A., Adhikary M., Venugopalan T., Singh V., Nanda T., Kumar B.R.	CSIR-National Metallurgical Laboratory, Jamshedpur, India; Mechanical Engineering Department, Thapar University, Patiala, India; Tata Steel, India	Materials Science and Engineering A	2016	ISSN: 0921-5093
Effect of surface treatment of nanoclay on the mechanical properties of epoxy/glass fiber/clay nanocomposites	Sharma B., Chhibber R., Mehta R.	Department of Mechanical Engineering, Thapar University, Patiala, India; Indian Institute of Technology, Jodhpur, India; Department of Chemical Engineering, Thapar University, Patiala, India	Composite Interfaces	2016	0927-6440
A thermal cycling route for processing nano-grains in AISI 316L stainless steel for improved tensile deformation behaviour	Nanda T., Kumar B.R., Singh V.	Department of Mechanical Engineering, Thapar University, Patiala, India; MST Division, National Metallurgical Laboratory, Jamshedpur, India; Department of Mechanical Engineering, Indus International University, Una, India	Defence Science Journal	2016	ISSN: 0011-748X
Non-contact damage monitoring technique for FRP laminates using guided waves	Garg M., Sharma S., Sharma S., Mehta R.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Civil Engineering, Thapar University, Patiala, Punjab, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Smart Structures and Systems	2016	ISSN: 1738-1584

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Physiochemical and leaching characteristics of fly and bottom ash	Singh M.K., Kumar S., Rath D.	Department of Mechanical Engineering, Bahra Group of Institution, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Civil Engineering, Thapar University, Patiala, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2016	ISSN: 1556-7230
Effect of Isothermal Annealing on Microstructural Morphology of Martensite in a Super-Martensitic Stainless Steel Subjected to Different Prior Conditions	Nanda T., Kumar B.R., Bhinder J.	Mechanical Engineering Department, Thapar University, Patiala, India; National Metallurgical Laboratory, Jamshedpur, India	Materials and Manufacturing Processes	2016	ISSN: 1042-6914
High hardness-high toughness WC-20Co nanocomposites: Effect of VC variation and sintering temperature	Kumar D., Singh K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; School of Physics and Materials Science, Thapar University, Patiala, Punjab, India	Materials Science and Engineering A	2016	ISSN: 0921-5093
Investigation on failure modes for pin joints made from unidirectional glass-epoxy nanoclay laminates	Singh M., Saini J.S., Bhunia H.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Fatigue and Fracture of Engineering Materials and Structures	2016	1460-2695
Bond graph aided thermal modelling of twin-tube shock absorber	Singh A., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Modelling and Simulation	2016	NA
Environmental impact assessment of ash disposal system of a thermal power plant	Singh G., Kumar S., Singh M.K., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Bahra Group of Institution, Patiala, India	International Journal of Hydrogen Energy	2016	ISSN:0360-3199
Modelling and Analysis of Urban Traffic Noise System Using Algebraic Graph Theoretic Approach	Singh D., Nigam S.P., Agrawal V.P., Kumar M.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Civil Engineering, Thapar University, Patiala, India	Acoustics Australia	2016	ISSN: 0814-6039
An Energy Efficient Processing Route for Advance Ceramic Composites Using Microwaves	Singh S., Gupta D., Jain V.	Department of Mechanical Engineering, Thapar University, Patiala, India	Advanced Ceramics	2016	ISSN: 2226-4108

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An investigation into the transition of flow mechanism during fluidized dense-phase pneumatic conveying of fine powders	Mittal A., Mallick S.S., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Faculty of Engineering and Information Sciences, University of Wollongong, Wollongong, NSW, Australia	Particulate Science and Technology	2016	Print ISSN: 0272-6351 Online ISSN: 1548-0046
Revisiting arc, metal flow behavior in flux activated tungsten inert gas welding	Bhattacharya A.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2016	
Command shaped closed loop control of flexible robotic manipulators	Singla A., Tewari A., Dasgupta B.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Aerospace Engineering, IIT Kanpur, India; Department of Mechanical Engineering, IIT Kanpur, India	Journal of Vibrational Engineering and Technologies	2016	ISSN 2523-3939
Solar selective volumetric receivers for harnessing solar thermal energy	Khullar V., Tyagi H., Otanicar T.P., Hewakuruppu Y.L., Taylor R.A.	Mechanical Engineering Department, Thapar University, Patiala Patiala, Punjab, India; School of Mechanical, Materials, and Energy Engineering, Indian Institute of Technology, Ropar, Rupnagar, India; Department of Mechanical Engineering, University of Tulsa, Tulsa, Oklahoma, United States; School of Mechanical and Manufacturing Engineering, School of Photovoltaics and Renewable Energy Engineering, University of New South Wales, Sydney, Australia	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	2016	
Experimental investigation into transient pressure pulses during pneumatic conveying of fine powders using Shannon entropy	Amit Goel, Anu Mittal, S.S. Mallick. Atul Sharma	Department of Mechanical Engineering, Thapar University, Punjab, India	Particuology	2016	ISSN: 1674-2001
Influence of Chemical Leaching on Rheology and Ash Reduction of Indian Coal	Juneja P., Kumar S., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Coal Preparation and Utilization	2016	ISSN:1939-2702
An assessment of the physical, mineral, and rheological properties of fly ash for stowing in coal mines	Kumar S., Singh G., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2016	ISSN: 1556-7230

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Power generation using cotton stalk-derived producer gas in diesel engines	Malik A., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University Patiala, Patiala, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2016	ISSN: 1556-7230
Comprehensive characterization of Indian bottom ash: Assessment of its potential utilization	Kumar S., Singh M., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Bahra Group of Institutions, Patiala, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2016	ISSN: 1556-7230
Characterization of heavy metal trace elements in the fly ash from a thermal power plant	Kumar S., Kumar K., Gupta M.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, GJU of Science and Technology, Hisar, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2016	ISSN: 1556-7230
Concurrent design of nanofluid for x-abilities using MADM approach	Prakash J., Agrawal V.P.	Department of Mechanical Engineering, Thapar University, Patiala, India	Benchmarking	2016	
Algorithms for Accurate and Fast Plotting of Contour Surfaces in 3D Using Hexahedral Elements	Singh C., Saini J.S.	Punjabi University, Patiala, Punjab, India; Thapar University, Patiala, Punjab, India	Journal of The Institution of Engineers (India): Series C	2016	2250-0553 (Online)
Non-linear Creep Analysis of Ceramic Specimen Using Finite Element Method	Saini J.S., Khera S.	Thapar University, Patiala, Punjab, India; John Deere Ltd., Pune, Maharashtra, India	Journal of The Institution of Engineers (India): Series C	2016	2250-0553 (Online)
Steady State Performance Characteristics of Micropolar Lubricated Hydrodynamic Journal Bearings with Flexible Liner	Bansal P., Chattopadhyay A.K., Agrawal V.P.	Mody University of Science and Technology, Laxmangarh, Rajasthan, India; Indian Institute of Engineering Science and Technology, Shibpur, Howrah, West Bengal, India; Thapar University, Patiala, Punjab, India	Journal of The Institution of Engineers (India): Series C	2016	
Leaching characteristics of bottom ash from thermal power plants	Kumar S., Gandhi B.K., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical and Industrial Engineering, IIT Roorkee, Roorkee, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2016	ISSN: 1556-7230
Effect of process parameters on toughness and metallurgical behaviour during uniaxial automatic gas metal arc welding of austenitic stainless steel AISI 316	Bhattacharya A., Bera T.K., Suri V.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2016	ISSN: 1464-4207 (Print), ISSN: 2041-3076 (Online)
Combined experimental and CFD investigation of the parabolic shaped solar collector utilizing nanofluid (CuO-H ₂ O and SiO ₂ -H ₂ O) as a working fluid	Ajay K., Kundan L.	Mechanical Engineering Department, Thapar University, Patiala, India	Journal of Engineering (United States)	2016	ISSN: 2314-4912

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Sensitivity analysis and optimal production scheduling as a dual phase simplex model	Dhand S., Singla A.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Indian Journal of Science and Technology	2016	ISSN: 0974-5645
Predictive modeling of surface roughness in ultrasonic machining of cryogenic treated Ti-6Al-4V	Dhuria G., Singh R., Batish A.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Production Engineering, Guru Nanak Dev Engineering College, Ludhiana, India	Engineering Computations (Swansea, Wales)	2016	
Study the effect of black layer on electrode wear ratio in powder mixed electric discharge machining of titanium alloys	Kumar S., Singh R., Batish A., Singh T.P.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Production Engineering, Guru Nanak Dev Engineering College, Gill Road, Gill Park, Ludhiana, Punjab, India; Symbiosis Institute of Technology, Symbiosis International University, Near Lupin Research Park, Gram, Lavale, Tal, Mulshi, Pune, India	International Journal of Machining and Machinability of Materials	2016	
A simple, efficient and accurate Bézier extraction based T-spline XIGA for crack simulations	Singh S.K., Singh I.V., Mishra B.K., Bhardwaj G., Bui T.Q.	Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee Uttarakhand, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Civil and Environmental Engineering, Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo, Japan	Theoretical and Applied Fracture Mechanics	2017	ISSN: 0167-8442
Nano-surface-finishing of permanent mold punch using magnetorheological fluid-based finishing processes	Maan S., Singh G., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2017	
Chemical vapor treatment of ABS parts built by FDM: Analysis of surface finish and mechanical strength	Garg A., Bhattacharya A., Batish A.	Measurement and Process Analysis Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Patna, Bihta Campus, Patna, Bihar, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	International Journal of Advanced Manufacturing Technology	2017	

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Development of magnetorheological finishing process for external cylindrical surfaces	Singh G., Singh A.K., Garg P.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2017	
A novel magnetorheological honing process for nano-finishing of variable cylindrical internal surfaces	Grover V., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2017	
On surface modification of austenitic stainless steel using microwave processed Ni/Cr3C2 composite cladding	Kaushal S., Gupta D., Bhowmick H.	Mechanical Engineering Department, Thapar University, Patiala, India	Surface Engineering	2017	Online ISSN: 1743-2944
Investigation of Dry Sliding Wear Behavior of Ni-SiC Microwave Cladding	Kaushal S., Gupta D., Bhowmick H.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Tribology	2017	0742-4787
On Microstructure and Wear Behavior of Microwave Processed Composite Clad	Kaushal S., Gupta D., Bhowmick H.	Mechanical Engineering Department, Thapar University, Patiala, India	Journal of Tribology	2017	0742-4787
Failure investigation of fused deposition modelling parts fabricated at different raster angles under tensile and flexural loading	Garg A., Bhattacharya A., Batish A.	Mechanical Engineering Department, Thapar University, Patiala, India	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2017	
Application of Taguchi method in the optimization of geometric parameters for double pin joint configurations made from glass-epoxy nanoclay laminates	Singh M., Saini J.S., Bhunia H., Singh P.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Journal of Composite Materials	2017	219983
The effect of compression ratio on the performance and emission characteristics of a dual fuel diesel engine using biomass derived producer gas	Lal S., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Applied Thermal Engineering	2017	ISSN: 1359-4311
An experimental study of floating wick basin type vertical multiple effect diffusion solar still with waste heat recovery	Kaushal A.K., Mittal M.K., Gangacharyulu D.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Desalination	2017	ISSN: 0011-9164
Numerical optimization and convective thermal loss analysis of improved solar parabolic trough collector receiver system with one sided thermal insulation	Chandra Y.P., Singh A., Mohapatra S.K., Kesari J.P., Rana L.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Delhi Technological University, Bawana Road, New Delhi, India; National Institute of Solar Energy, Ministry of New and Renewable Energy, GOI, Gurgaon, Haryana, India	Solar Energy	2017	ISSN 0038-092X

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Spot nanofinishing using ball nose magnetorheological solid rotating core tool	Khurana A., Singh A.K., Bedi T.S.	Mechanical Engineering Department, Thapar University, Patiala, Patiala, India	International Journal of Advanced Manufacturing Technology	2017	
Application of a hybrid Taguchi-entropy weight-based GRA method to optimize and neural network approach to predict the machining responses in ultrasonic machining of Ti-6Al-4V	Dhuria G.K., Singh R., Batish A.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Production Engineering, Guru Nanank Dev Engineering College, Ludhiana, India	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2017	
Microstructure and Texture Development during Cold Rolling in UNS S32205 and UNS S32760 Duplex Stainless Steels	Kumar A., Khatirkar R.K., Chalapathi D., Kumar G., Suwas S.	Department of Metallurgical and Materials Engineering, Visvesvaraya National Institute of Technology (VNIT), South Ambazari Road, Nagpur, Maharashtra, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Materials Engineering, Indian Institute of Science (IISc), Bengaluru, Karnataka, India	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	2017	ISSN:1073-5623
Modeling the tool wear rate in powder mixed electro-discharge machining of titanium alloys using dimensional analysis of cryogenically treated electrodes and workpiece	Kumar S., Singh R., Batish A., Singh T.P.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Production Engineering, GNDEC, Gill Road, Ludhiana, Punjab, India; Symbiosis Institute of Technology, Pune, Maharashtra, India	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2017	
Influence of nanoparticle fillers content on the bearing strength behavior of glass fiber-reinforced epoxy composites pin joints	Sekhon M., Saini J.S., Singla G., Bhunia H.	Mechanical Engineering Department, Thapar University, Patiala, India; Chemical Engineering Department, Thapar University, Patiala, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2017	14644207
Addition of nanoclay and compatibilized EPDM rubber for improved impact strength of epoxy glass fiber composites	Singh K., Nanda T., Mehta R.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Composites Part A: Applied Science and Manufacturing	2017	ISSN: 1359-835X

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Fabrication of 6061 aluminum alloy reinforced with Si3N4/n-Gr and its wear performance optimization using integrated RSM-GA	Sharma N., Khanna R., Singh G., Kumar V.	Department of Mechanical Engineering, D.A.V. University, Jalandhar, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Maharishi Markandeshwar University, Sadopur, India	Particulate Science and Technology	2017	ISSN:0272-6351
Drop and tilt method of five-axis tool positioning for tensor product surfaces	Duvedi R.K., Bedi S., Mann S.	Thapar University, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	International Journal of Advanced Manufacturing Technology	2017	ISSN: 0268-3768 (print version) ISSN: 1433-3015 (electronic version)
Compatibilization of polypropylene fibers in epoxy based GFRP/clay nanocomposites for improved impact strength	Singh K., Nanda T., Mehta R.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Composites Part A: Applied Science and Manufacturing	2017	ISSN: 1359-835X
Effect of time dependent nanoclusters morphology on the thermal conductivity and heat transport mechanism of TiO2 based nanofluid	Kundan L., Mallick S.S., Pal B.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Department of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Heat and Mass Transfer/Waerme- und Stoffuebertragung	2017	ISSN:1432-1181
Machining performance of cryogenically treated Ti-5Al-2.5Sn titanium alloy in electric discharge machining: A comparative study	Kumar S., Batish A., Singh R., Singh T.P.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Production Engineering, Guru Nanak Dev Engineering College, Ludhiana, India; Symbiosis Institute of Technology, Pune, India	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2017	
Properties of Glass-Fiber Hybrid Composites: A Review	Singh J., Kumar M., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar University, Patiala, India	Polymer - Plastics Technology and Engineering	2017	ISSN: 1525-6111
Role of curing conditions and silanization of glass fibers on carbon nanotubes (CNTs) reinforced glass fiber epoxy composites	Garg M., Sharma S., Mehta R.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Civil Engineering, Thapar University, Patiala, Punjab, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Composite Interfaces	2017	
Creep Analysis in Functionally Graded Rotating Disc Using Tresca Criterion and Comparison with Von-Mises Criterion	Khanna K., Gupta V.K., Nigam S.P.	Mechanical Engineering Department, Thapar University, Patiala, India	Materials Today: Proceedings	2017	

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Modeling and simulation of surface roughness in magnetorheological fluid based honing process	Paswan S.K., Bedi T.S., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Wear	2017	
A new non-polynomial four variable shear deformation theory in axiomatic formulation for hygro-thermo-mechanical analysis of laminated composite plates	Joshan Y.S., Grover N., Singh B.N.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Aerospace Engineering, Indian Institute of Technology Kharagpur, West Bengal, India	Composite Structures	2017	ISSN: 0263-8223
Multi-objective performance investigation of orthopaedic bone drilling using Taguchi membership function	Singh G., Jain V., Gupta D.	Mechanical Engineering Department, Thapar University, India	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2017	ISSN: 0954-4119
Lower-limb exoskeletons: Research trends and regulatory guidelines in medical and non-medical applications	Rupal B.S., Rafique S., Singla A., Singla E., Isaksson M., Virk G.S.	Department of Mechanical Engineering, University of Alberta, Edmonton, Canada; Department of Electronics, Mathematics and Natural Sciences, University of Gävle, Gävle, Sweden; Department of Mechanical Engineering, Thapar University, Patiala, India; Mechanical Engineering Department, Indian Institute of Technology, Ropar, India; Innovative Technology & Science Limited (InnoTecUK), Cambridge, United Kingdom	International Journal of Advanced Robotic Systems	2017	ISSN 1729-8814
Optimization of safflower oil transesterification using the Taguchi approach	Kumar N., Mohapatra S.K., Ragit S.S., Kundu K., Karmakar R.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Biofuel, CSIR CMERI CoEFM, Ludhiana, India; School of Energy and Environment, Thapar University, Patiala, India	Petroleum Science	2017	ISSN: 1672-5107
Analytical modelling for thermo-mechanical analysis of cross-ply and angle-ply laminated composite plates	Joshan Y.S., Grover N., Singh B.N.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Aerospace Engineering, Indian Institute of Technology Kharagpur West Bengal, India	Aerospace Science and Technology	2017	ISSN: 1270-9638

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A Simplified Micromechanical Modeling Approach to Predict the Tensile Flow Curve Behavior of Dual-Phase Steels	Nanda T., Kumar B.R., Singh V.	Mechanical Engineering Department, Thapar University, Patiala, India; MTE Division, CSIR-National Metallurgical Laboratory, Jamshedpur, India; Mechanical Engineering Department, Indus International University, Una, India	Journal of Materials Engineering and Performance	2017	ISSN: 1059-9495
Corrosion behaviour of Cr3C2-NiCr coated superalloys under actual medical waste incinerator	Mudgal D., Ahuja L., Singh S., Prakash S.	Department of Metallurgical and Materials Engineering, Indian Institute of Technology, Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University Patiala Punjab, India; Department of Mechanical Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur, Punjab, India	Surface and Coatings Technology	2017	ISSN:0257-8972
Kinematic Modeling of Robotic Manipulators	Singh A., Singla A.	Department of Mechanical Engineering, Thapar University, Patiala, India	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2017	ISSN 0369-8203
Effect of inter-critical annealing parameters on ferrite recrystallization and austenite formation in DP 590 steel	Mittal M., Nanda T., Kumar B.R., Singh V.	Department of Mechanical Engineering, Thapar University, Patiala, India; MST Division, National Metallurgical Laboratory, Jamshedpur, India; Department of Mechanical Engineering, Indus International University, Una, India	Materials and Manufacturing Processes	2017	ISSN: 1042-6914
Influence of parametric uncertainties on the deflection statistics of general laminated composite and sandwich plates	Grover N., Sahoo R., Singh B.N., Maiti D.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Civil Engineering, Malaviya National Institute of Technology Jaipur Rajasthan, India; Department of Aerospace Engineering, Indian Institute of Technology Kharagpur West Bengal, India	Composite Structures	2017	ISSN: 0263-8223

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Prediction and optimization of nanoclusters-based thermal conductivity of nanofluids: Application of Box–Behnken design (BBD)	Kundan L., Mallick S.S., Pal B.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Department of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Particulate Science and Technology	2017	ISSN:0272-6351
An investigation into the effect of nanoclusters growth on perikinet heat conduction mechanism in an oxide based nanofluid	Kundan L., Mallick S.S., Pal B.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Department of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Powder Technology	2017	ISSN: 0032-5910
Tribological analysis of WC–10Co–4Cr and Ni–20Cr2O3 coating on stainless steel 304	Singh J., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar University Patiala, India	Wear	2017	ISSN: 0043-1648
Real-time swing-up and stabilization control of a cart-pendulum system with constrained cart movement	Singla A., Singh G.	Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Nonlinear Sciences and Numerical Simulation	2017	ISSN – 2191-0294
Influence of technological innovation on performance of small manufacturing companies	Singh D., Khamba J.S., Nanda T.	Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Productivity and Performance Management	2017	ISSN: 1741-0401
Head Loss Investigations Inside 90° Pipe Bend for Conveying Of Fine Coal–Water Slurry Suspension	Singh J.P., Kumar S., Mohapatra S.K.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India	International Journal of Coal Preparation and Utilization	2017	ISSN:1939-2702
Role of recrystallization and pearlite dissolution in industrial processing of DP590 steels	Singh V., Adhikary M., Venugopalan T., Chakraborty A., Nanda T., Kumar B.R.	Mechanical Engineering Division, CSIR-National Metallurgical Laboratory, Jamshedpur, India; Mechanical Engineering Department, Thapar University, Patiala, India; Tata Steel Limited, Jamshedpur, India	Materials and Manufacturing Processes	2017	ISSN: 1042-6914
Construction and operations of first salinity gradient solar pond in Malaysia	Baharin N.A., Yazit I.F.M., Singh B., Remeli M.F., Oberoi A.	Faculty of Mechanical Engineering, Universiti Teknologi MARA Malaysia, Shah Alam, Selangor, Malaysia; Dept of Mechanical Engineering, Thapar University, Patiala, India	Journal of Mechanical Engineering	2017	

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Numerical simulation of fluidized dense-phase pneumatic conveying of powders to develop improved model for solids friction factor	Kaur B., Mittal A., Mallick S.S., Pan R., Jana S.	School of Physics and Materials Science, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Fujian Longking Co., Ltd., Longyan, Fujian, China	Particuology	2017	ISSN: 1674-2001
A novel characterization method of fiber reinforced polymers with clustered microstructures for time dependent mass transfer	Jain D., Mukherjee A., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Civil Engineering, Curtin University, Bentley, WA, Australia	Science and Engineering of Composite Materials	2017	ISSN: 2191-0359
Channels of interaction and past collaborative experience as imperatives in academia–industry collaboration	Bhullar S.S., Nangia V.K., Batish A.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Management Studies, Indian Institute of Technology, Roorkee, India	Technology Analysis and Strategic Management	2017	ISSN: 0953-7325
Experimental characterization and finite element modeling of through thickness deformation gradient in a cold rolled zirconium sheet	Kumar G., Lodh A., Singh J., Singh R., Srivastava D., Dey G.K., Samajdar I.	Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai, India; Department of Mechanical Engineering, Indian Institute of Technology Bombay, Mumbai, India; Materials Science Division, Bhabha Atomic Research Center, Mumbai, India; Department of Mechanical Engineering, Thapar University, Patiala, India	CIRP Journal of Manufacturing Science and Technology	2017	ISSN: 1755-5817
Improved design of magnetorheological honing tool based on finite element analysis and experimental examination of its performance	Grover V., Singh A.K.	Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Advanced Manufacturing Technology	2017	
Hydraulic flow model of plant organs in response to physical and environmental factors	Lahkar B.K., Bera T.K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Simulation	2017	ISSN: 0037-5497

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Multi-objective parametric optimization using the grey-taguchi approach for powder mixed electric discharge machining of grade-ii titanium alloy with cryogenically treated electrodes	Kumar S., Singh R., Batish A., Singh T.P.	Department of Mechanical Engineering, Chandigarh Engineering College, Landran, India; Department of Production Engineering, Guru Nanak Dev Engineering College, Ludhiana, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Symbiosis Institute of Technology, Pune, India	Indian Journal of Engineering and Materials Sciences	2017	
Effect of metallic inserts on the strength of pin joints prepared from glass fiber reinforced composites	Singh K., Saini J.S., Bhunia H.	Mechanical Engineering Department, Thapar University, Patiala, India; Chemical Engineering Department, Thapar University, Patiala, India	Defence Science Journal	2017	0011-748X
Modelling of two phase solid-liquid flow in horizontal pipe using computational fluid dynamics technique	Singh J.P., Kumar S., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Hydrogen Energy	2017	ISSN:0360-3199
Dissimilar GTAW between AISI 304 and AISI 4340 steel: Multi-response optimization by analytic hierarchy process	Bhattacharya A., Singla S.	Department of Mechanical Engineering, Indian Institute of Technology Patna, Bihta Campus, Bihar, India; Mechanical Engineering Department, Thapar University, Patiala, India	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2017	
On the Microstructure and Wear Behavior of Fe-xCr-4Mn-3C Hardfacing Alloys	Singla Y.K., Chhibber R., Arora N., Singh K., Khanna K.	Mechanical and Industrial Engineering Department, IITR, Roorkee, Uttarakhand, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Mechanical Engineering Department, IITJ, Jodhpur, Rajasthan, India	Transactions of the Indian Institute of Metals	2017	
Design of slurry transportation pipeline for the flow of multi-particulate coal ash suspension	Singh M.K., Kumar S., Ratha D., Kaur H.	Department of Civil Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Chemical Engineering, Thapar University, Patiala, India	International Journal of Hydrogen Energy	2017	ISSN:0360-3199
Computational analysis on disposal of coal slurry at high solid concentrations through slurry pipeline	Singh M.K., Kumar S., Ratha D.	Department of Civil Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Coal Preparation and Utilization	2017	ISSN: 1939-2702

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Investigating surface properties of cryogenically treated titanium alloys in powder mixed electric discharge machining	Kumar S., Singh R., Batish A., Singh T.P., Singh R.	Department of Mechanical Engineering, Chandigarh Engineering College, Landran, Chandigarh, Punjab, India; Department of Production Engineering, GNDEC, Ludhiana, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Symbiosis Institute of Technology, Pune, Maharashtra, India	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2017	
Modelling and analysis of creep in a variable thickness rotating FGM disc using tresca and von mises criteria	Khanna K., Gupta V.K., Nigam S.P.	Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Punjabi University, Patiala, India	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering	2017	
Process optimization of Tung oil methyl ester (Vernicia fordii) using the Taguchi approach, and its fuel characterization	Gadhane S.L., Ragit S.S.	JJT University, Rajasthan; JJT University, Thapar University, Patiala3441	Biofuels	2017	
Preliminary metallurgical and mechanical investigations of microwave processed hastelloy joints	Singh S., Singh R., Gupta D., Jain V.	Department of Mechanical Engineering, Northcap University, Gurgaon, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Manufacturing Science and Engineering, Transactions of the ASME	2017	ISSN: 0022-1817
Biodiesel production from frying oil using zinc-doped calcium oxide as heterogeneous catalysts	Kataria J., Mohapatra S.K., Kundu K.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Bio fuel, Centre of Excellence for Farm Machinery, Ludhiana, Punjab, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2017	ISSN: 1556-7230
Mechanical Properties and Metallurgical Characterization of Dissimilar Welded Joints between AISI 316 and AISI 4340	Bhattacharya A., Singla S.	Department of Mechanical Engineering, Indian Institute of Technology Patna, Bihta Campus, Patna, Bihar, India; Department of Mechanical Engineering, Thapar University, Patiala, India; LPU, Phagwara, India	Transactions of the Indian Institute of Metals	2017	
Model reduction in vehicle dynamic systems	Singh R., Singh M., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Modelling and Simulation	2017	NA
Trajectory tracking through overwhelming control of human vertebrae as a hybrid manipulator	Arora R., Bera T.K.	Mechanical Engineering Department, Thapar University Patiala, Patiala, Punjab, India	Simulation	2017	ISSN: 0037-5497

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An experimental investigation into modeling solids friction for fluidized dense-phase pneumatic transport of powders	Setia G., Mallick S.S., Pan R., Wypych P.W.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Fujian Longking Co., Ltd., 81 Lingyuan Road, Longyan City, Fujian, China; Faculty of Engineering, University of Wollongong, Wollongong, NSW, Australia	Particuology	2017	ISSN: 1674-2001
Evaluation of corrosion performance of Superni 600 hung in secondary chamber of medical waste incinerator operating at 1050 °C	Mudgal D., Ahuja L., Singh S., Prakash S.	Department of Metallurgical and Materials Engineering, Indian Institute of Technology, Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University Patiala, Punjab, India; Department of Mechanical Engineering, Sant Longowal Institute of Engineering and Technology, Sangrur, Punjab, India	Materials at High Temperatures	2017	1878-6413
Productivity correlation and economic analysis of floating wick basin type vertical multiple effect diffusion solar still with waste heat recovery	Kaushal A.K., Mittal M.K., Gangacharyulu D.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Desalination	2017	ISSN: 0011-9164
Modeling of surface roughness in the magnetorheological cylindrical finishing process	Grover V., Singh A.K.	Thapar University, Department of Mechanical Engineering, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2017	
Erosion wear in a slurry pipe with multisized coal and bottom-ash slurries	Singh G., Kumar S., Mohapatra S.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials Today: Proceedings	2017	ISSN:SN: 2214-7853
Modelling of autonomic regulation in cardiovascular system based on baroreflex mechanism and overwhelming controller	Sharma K., Bera T.K.	Mechanical Engineering Department, Thapar University, Patiala, India	Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering	2017	ISSN: 0959-6518
Computational and parametric analysis of parabolic trough collector with different heat transfer fluids	Singh R., Chandra Y.P., Kumar S.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Advances in Intelligent Systems and Computing	2017	
Circumferential temperature analysis of one sided thermally insulated parabolic trough receiver using computational fluid dynamics	Chandra Y.P., Singh A., Mohapatra S.K., Kesari J.P.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Delhi Technological University, New Delhi, India	Advances in Intelligent Systems and Computing	2017	ISSN: 2194-5357

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Structural equation modelling of technology innovation model using AMOS for Indian MSMEs	Singh D., Khamba J.S., Nanda T.	Mechanical Engineering Department, Punjabi University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Productivity and Quality Management	2017	ISSN print: 1468-4322
Characteristics of Fly Ash in Relation of Soil Amendment	Kumar K., Kumar S., Gupta M., Garg H.C.	Department of Mechanical Engineering, G.J.U.of Science and Technology, Hisar, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Materials Today: Proceedings	2017	ISSN: 2214-7853
Effect of cold vapour treatment on geometric accuracy of fused deposition modelling parts	Garg A., Bhattacharya A., Batish A.	Department of Mechanical Engineering, Indian Institute of Technology, Patna, Bihta, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Rapid Prototyping Journal	2017	
Thermal modelling, simulation and experimental validation of heat accumulation in a framed glass cabin	Bera T.K., Dixit S., Bhattacharya A., Kumar D., Samantaray A.K.	Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Indian Institute of Technology (IIT) Patna, India	Journal of Theoretical and Applied Mechanics (Poland)	2017	ISSN 1429-2955
Modeling of Bubbling Fluidized Bed Combustor Based on Biomass & co-firing	Gaba M., Kumar H., Mohapatra S.K.	Department of Mechanical Engineering, Asra College of Engg. and Technology, Sangrur, India; Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Materials Today: Proceedings	2017	ISSN: 2214-7853
Effect of cryogenically treated copper-tungsten electrode on tool wear rate during electro-discharge machining of Ti-5Al-2.5Sn alloy	Kumar S., Batish A., Singh R., Bhattacharya A.	Department of Mechanical Engineering, Chandigarh Engineering College, Landran Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Production Engineering, GNDEC, Ludhiana, Punjab, India; Department of Mechanical Engineering, IIT, Patna, Bihar, India	Wear	2017	

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Processing and characterization of composite cladding through microwave heating on martensitic steel	Kaushal S., Sirohi V., Gupta D., Bhowmick H., Singh S.	Department of Mechanical Engineering, Thapar University Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	ISSN: 2041-3076
An approach for functionally graded cladding of composite material on austenitic stainless steel substrate through microwave heating	Kaushal S., Gupta D., Bhowmick H.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Composite Materials	2018	Online ISSN: 1530-793X
Analysis of electrochemical behavior on micro-drilling of cast hybrid Al/(Al ₂ O ₃ p + SiCp + Cp)-MMC using micro-ECM process	Kalra C.S., Kumar V., Manna A.	Department of Mechanical Engineering, Thapar University, India; Department of Mechanical Engineering, PEC university of Technology, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	ISSN: 2041-3076
Effect of particle size on dry sliding wear behaviour of sillimanite reinforced aluminium matrix composites	Sharma S., Nanda T., Pandey O.P.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; School of Physics and Materials Science, Thapar University, Patiala, Punjab, India	Ceramics International	2018	ISSN: 0272-8842
A new magnetorheological finishing process for ferromagnetic cylindrical honed surfaces	Bedi T.S., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2018	
Analysis of particles in magnetorheological polishing fluid for finishing of ferromagnetic cylindrical workpiece	Grover V., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Particulate Science and Technology	2018	ISSN:0272-6351
Up to date review on the synthesis and thermophysical properties of hybrid nanofluids	Gupta M., Singh V., Kumar S., Kumar S., Dilbaghi N., Said Z.	Department of Mechanical Engineering, Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Bio and Nano Technology, Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India; Department of Sustainable and Renewable Energy Engineering, University of Sharjah, PO Box 27272, Sharjah, United Arab Emirates	Journal of Cleaner Production	2018	

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Potential heat transfer fluids (Nanofluids) for direct volumetric absorption-based solar thermal systems	Khullar V., Bhalla V., Tyagi H.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, India	Journal of Thermal Science and Engineering Applications	2018	ISSN: 1948-5085
Processing of polyethylene terephthalate fiber reinforcement to improve compatibility with constituents of GFRP nanocomposites	Singh K., Nanda T., Mehta R.	Mechanical Engineering Department, Thapar University, Patiala, India; Chemical Engineering Department, Thapar University, Patiala, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
Development of magnetorheological fluid-based process for finishing of ferromagnetic cylindrical workpiece	Bedi T.S., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Machining Science and Technology	2018	ISSN: 1532-2483
Improved magnetorheological honing process for nanofinishing of variable cylindrical internal surfaces	Grover V., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
Experimental investigation of photo-thermal analysis of blended nanoparticles (Al ₂ O ₃ /Co ₃ O ₄) for direct absorption solar thermal collector	Bhalla V., Khullar V., Tyagi H.	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology, Ropar, Rupnagar, Punjab, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Renewable Energy	2018	ISSN: 0960-1481
Modelling of urban traffic noise using a systems approach	Singh D., Nigam S.P., Agrawal V.P., Kumar M.	Department of Mechanical Engineering, Thapar University, Patiala, India	Proceedings of the Institution of Civil Engineers: Transport	2018	ISSN 0965-092X
Influence of MoS ₂ , H ₃ BO ₃ , and MWCNT Additives on the Dry and Lubricated Sliding Tribology of AMMC-Steel Contacts	Singh H., Singh P., Bhowmick H.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Journal of Tribology	2018	ISSN: 0742-4787
Influence of flow velocity and flexural rigidity on the flow induced vibration and acoustic characteristics of a flexible plate	Purohit A., Darpe A.K., Singh S.P.	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Mechanical Engineering, Indian Institute of Technology Delhi, India	JVC/Journal of Vibration and Control	2018	ISSN: 1077-5463
Experimental study of basin type vertical multiple effect diffusion solar still integrated with mini solar pond to generate nocturnal distillate	Dhindsa G.S., Mittal M.K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Energy Conversion and Management	2018	ISSN: 0196-8904
Microwave melting and processing of metal-ceramic composite castings	Singh S., Gupta D., Jain V.	Mechanical Engineering Department, Thapar University, Patiala, India	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2018	ISSN: 0954-4054

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Numerical implementation of drop and tilt method of five-axis tool positioning for tensor product surfaces	Duvedi R.K., Bedi S., Mann S.	Thapar University, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	International Journal of Advanced Manufacturing Technology	2018	ISSN: 0268-3768 (print version) ISSN: 1433-3015 (electronic version)
Investigation of deterioration in corroding reinforced concrete beams using active and passive techniques	Sharma A., Sharma S., Sharma S., Mukherjee A.	Civil Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India; Civil Engineering Department, Curtin University, BentleyWA, Australia	Construction and Building Materials	2018	ISSN: 0950-0618
Investigation of machining characterization for wire wear ratio & MRR on pure titanium in WEDM process through response surface methodology	Kumar A., Kumar V., Kumar J.	Department of Mechanical Engineering, M. M. University, Mullana-Ambala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, India	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2018	
Impact of Martensite Spatial Distribution on Quasi-Static and Dynamic Deformation Behavior of Dual-Phase Steel	Singh M., Das A., Venugopalan T., Mukherjee K., Walunj M., Nanda T., Kumar B.R.	Mechanical Engineering Department, Thapar University, Patiala, India; CSIR-National Metallurgical Laboratory, Jamshedpur, India; Tata Steel Limited, Jamshedpur, India	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	2018	ISSN: 1073-5623
Seawater ageing of glass fiber reinforced epoxy nanocomposites based on silylated clays	Sharma B., Chhibber R., Mehta R.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Indian Institute of Technology, Jodhpur, Rajasthan, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Polymer Degradation and Stability	2018	0141-3910
Study of particle size distribution of pulverized coals in utility boilers	Vishnoi N., Mohapatra S.K.	Mechanical Engineering Department, Thapar University, Patiala, India	Particulate Science and Technology	2018	ISSN:0272-6351
Tribological behaviour of hybrid AMMC sliding against steel and cast iron under MWCNT-Oil lubrication	Singh H., Bhowmick H.	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab, India	Tribology International	2018	ISSN: 0301-679X
Characterization of chipping and tool wear during drilling of float glass using rotary ultrasonic machining	Sharma A., Jain V., Gupta D.	Department of Mechanical Engineering, Thapar University, Patiala, India	Measurement: Journal of the International Measurement Confederation	2018	ISSN: 0263-2241

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On Development and Dry Sliding Wear Behavior of Microwave Processed Ni/Al ₂ O ₃ Composite Clad	Singh B., Kaushal S., Gupta D., Bhowmick H.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Tribology	2018	ISSN: 0742-4787
Study the parametric effect of abrasive water jet machining on surface roughness of Inconel 718 using RSM-BBD techniques	Kumar A., Singh H., Kumar V.	Department of Mechanical Engineering, C.E.C. Landran, Mohali, Punjab, India; Department of Mechanical Engineering, N.I.T. Kurukshetra, Kurukshetra, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2018	
Modular manipulators for cluttered environments: A task-based configuration design approach	Singh S., Singla A., Singla E.	Clinical Affairs Department, Bio-Medical Engineering (HK) Ltd., Cyberport, Hong Kong; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India; Mechanical Engineering Department, Indian Institute of Technology Ropar, Rupnagar, India	Journal of Mechanisms and Robotics	2018	ISSN 1942-4302
A rotating core-based magnetorheological nano-finishing process for external cylindrical surfaces	Singh M., Singh A., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
Magnetorheological nanofinishing of BK7 glass for lens manufacturing	Kumar S., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
Magnetorheological finishing of ferromagnetic blind-hole type surfaces	Bedi T.S., Singh A.K.	Department of Mechanical Engineering, Thapar University, Patiala, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
Static and DC dynamic pull-in analysis of curled microcantilevers with a compliant support	Sharma A.K., Godara R.K., Joglekar M.M.	Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Microsystem Technologies	2018	ISSN: 0946-7076 (Print) 1432-1858 (Online)
Taguchi's Approach for Optimization of Tribo-Resistance Parameters Forss304	Singh J., Kumar S., Singh G.	Thapar University, Patiala Punjab, India	Materials Today: Proceedings	2018	
Crack growth analysis of carbon nanotube reinforced polymer nanocomposite using extended finite element method	Negi A., Bhardwaj G., Saini J.S., Grover N.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2018	Online ISSN: 2041-2983

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Investigating the quality characteristics of Al5052/SiC metal matrix composites machined by CO2 laser curve cutting	Sharma V., Kumar V.	Department of Mechanical Engineering, Chandigarh University, Mohali, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	
Effect of process parameters on shrinkage of acrylonitrile butadiene styrene parts fabricated by 3D printing process	Singh S., Rajpoot R., Bedi V., Vats S., Srivastava V.	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab, India	Springer Proceedings in Physics	2018	
Erosion tribo-performance of HVOF deposited Stellite-6 and Colmonoy-88 micron layers on SS-316L	Singh J., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Tribology International	2018	ISSN: 0301-679X
Analysis of the surface roughness for novel magnetorheological finishing of a typical blind hole workpiece	Sirwal S.A., Singh A.K.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2018	ISSN: 2041-2983
Multi-shaped tool wear study during rotary ultrasonic drilling and conventional drilling for amorphous solid	Sharma A., Jain V., Gupta D.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2018	ISSN: 0954-4089
Effect of hard faced Cr-alloy on abrasive wear of low carbon rotavator blades using design of experiments	Singh S., Garg J., Singh P., Singh G., Kumar K., Singh J., Kumar S., Singh J.P.	B.G.I.E.T., Sangrur, Punjab, India; Thapar University, Patiala, Punjab, India; G.J.U.S. and T. University, Hisar, Haryana, India	Materials Today: Proceedings	2018	ISSN: 2214-7853
Biodiesel production from waste cooking oil using heterogeneous catalysts and its operational characteristics on variable compression ratio CI engine	Kataria J., Mohapatra S.K., Kundu K.	Department of Mechanical Engineering, Thapar University, Patiala 147004, Punjab, India; Department of Bio Fuel, Centre of Excellence for Farm Machinery, Ludhiana 141006, Punjab, India	Journal of the Energy Institute	2018	ISSN: 1743-9671
Investigations to increase the failure load for joints in glass epoxy composites	Singh K., Saini J.S., Bhunia H., Singh J.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2018	Online ISSN: 2041-2983
Integrating agile thinking into maintenance strategy performance analysis	Srivastava P., Khanduja D., Agrawal V.P.	Department of Mechanical Engineering, NIT, Kurukshetra Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala Punjab, India	International Journal of Process Management and Benchmarking	2018	

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Multi-optimisation of electric discharge machining parameters for cryogenically treated pure titanium using grey-Taguchi technique	Kumar S., Singh R., Batish A., Singh T.P., Singh R.	Department of Mechanical Engineering, Chandigarh Engineering College, Landran (Mohali), Punjab, India; Department of Production Engineering, Guru Nanak Dev Engineering College, Gill Road, Gill Park, Ludhiana, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Symbiosis Institute of Technology, Symbiosis International University, Lupin Research Park, Lavale, Tal: Mulshi, Pune, India	International Journal of Machining and Machinability of Materials	2018	
Kinematic modeling of a 7-degree of freedom spatial hybrid manipulator for medical surgery	Singh A., Singla E., Soni S., Singla A.	Department of Mechanical Engineering, Thapar University, Patiala, India; Mechanical Engineering Department, IIT Ropar, Rupnagar, India; Biomedical Instrumentation Division, Council of Scientific & Industrial Research–Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh, India	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	ISSN 0954-4119
Problems and prospects of Indian MSMEs: A literature review	Singh D., Khamba J.S., Nanda T.	Mechanical Engineering Department, Punjabi University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Business Excellence	2018	ISSN: 1756-0047
Suppression of contact bounce in beam-type microelectromechanical switches using a feedforward control scheme	Godara R.K., Joglekar M.M.	Department of Mechanical Engineering, Thapar University, India; Indian Institute of Technology Roorkee, Department of Mechanical and Industrial Engineering, India	JVC/Journal of Vibration and Control	2018	eISSN: 17412986 ISSN: 10775463
Magnetorheological nano-finishing of diamagnetic material using permanent magnets tool	Kansal H., Singh A.K., Grover V.	Department of Mechanical Engineering, Thapar University, Patiala, India	Precision Engineering	2018	ISSN: 0141-6359

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Processing of Ni-WC-8Co MMC casting through microwave melting	Singh S., Gupta D., Jain V.	Mechanical Engineering Department, The Northcap University, Gurgaon, Haryana, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
Coding, evaluation, comparison, ranking and optimal selection of nanoparticles with heat transfer fluids for thermal systems	Sandhu H., Gangacharyulu D., Agrawal V.P.	Department of Chemical Engineering, Thapar Institute of Engineering and Technology University, Patiala, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology University, Patiala, India	Particulate Science and Technology	2018	ISSN:0272-6351
CFD modeling of erosion wear in pipe bend for the flow of bottom ash suspension	Singh J., Kumar S., Singh J.P., Kumar P., Mohapatra S.K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Particulate Science and Technology	2018	ISSN:0272-6351
The wear behavior of Al/(Al ₂ O ₃ + SiC + C) hybrid composites fabricated stir casting assisted squeeze	Kalra C.S., Kumar V., Manna A.	Mechanical Engineering Department, Research Scholar, Thapar University, Patiala, Punjab, India; Mechanical Engineering, SUSCET, Mohali, Punjab, India; Mechanical Engineering, Thapar University, Patiala, Punjab, India; Mechanical Engineering, PEC University of Technology, Chandigarh, India	Particulate Science and Technology	2018	ISSN:0272-6351
ANFIS based kinematic analysis of a 4-DOFs SCARA robot	Narayan J., Singla A.	Department of Mechanical Engineering, Thapar University, Patiala, India	4th IEEE International Conference on Signal Processing, Computing and Control, ISPPCC 2017	2018	ISBN: 978-1-5090-5838-9
An investigation of double-glass-covered trapezoidal salt-gradient solar pond coupled with reflector	Dhindsa G.S., Mittal M.K.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	International Journal of Green Energy	2018	ISSN: 1543-5083
Production of producer gas from sugarcane bagasse and carpentry waste and its sustainable use in a dual fuel CI engine: A performance, emission, and noise investigation	Singh H., Mohapatra S.K.	Mechanical Engineering Department, Thapar University, Patiala, India	Journal of the Energy Institute	2018	ISSN: 1743-9671
On Development and Wear Behavior of Microwave-Processed Functionally Graded Ni-SiC Clads on SS-304 Substrate	Kaushal S., Gupta D., Bhowmick H.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Materials Engineering and Performance	2018	ISSN: 1059-9495

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Nanofinishing of BK7 glass using a magnetorheological solid rotating core tool	Kumar S., Singh A.K.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Applied Optics	2018	ISSN:2155-3165
Optimization of process parameters for improving drilling quality and machining performance of abrasive assisted drilling on AISI D2 steel	Kumar P., Singh G., Jain V., Gupta D.	Shivalik College of Engineering, Dehradun, India; Thapar Institute of Engineering & Technology, Deemed University, Patiala, India	Indian Journal of Engineering and Materials Sciences	2018	ISSN: 0975-1017
An overview of problems and solutions for components subjected to fireside of boilers	Singh A., Sharma V., Mittal S., Pandey G., Mudgal D., Gupta P.	Department of Mechanical and Automation Engineering, A.S.E.T., Amity University, Uttar Pradesh, Noida, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	International Journal of Industrial Chemistry	2018	
Nano-surface finishing of hardened AISI 52100 steel using magnetorheological solid core rotating tool	Maan S., Singh A.K.	Mechanical Engineering Department, Thapar University, Patiala, India	International Journal of Advanced Manufacturing Technology	2018	ISSN: 1433-3015
Processing of Ni20WC10Mo based composite clads on austenitic stainless steel through microwave hybrid heating	Kaushal S., Singh D., Gupta D., Bhowmick H., Jain V.	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Materials Research Express	2018	Online ISSN: 2053-1591
Technical feasibility of a proton battery with an activated carbon electrode	Heidari S., Seif Mohammadi S., Oberoi A.S., Andrews J.	School of Engineering (Aerospace, Mechanical and Manufacturing), RMIT University Victoria, Australia; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	International Journal of Hydrogen Energy	2018	
Studies on Slurry Erosion Behavior of HVOF Applied Y2O3-Added WC-10Co-4Cr Cermet on 13-4 Martensitic Stainless Steel	Nath G., Kumar S.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Metallography, Microstructure, and Analysis	2018	ISSN: 2192-9270
Effect of nanoclay and bolt preloads on the strength of bolted joints in glass epoxy nanocomposites	Chani K.S., Saini J.S., Bhunia H.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India; Chemical Engineering Department, Thapar University, Patiala, Punjab, India	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	1678-5878
Multi-objective optimization of process parameters involved in micro-finishing of Al/SiC MMCs by abrasive flow machining process	Sushil M., Vinod K., Harmesh K.	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, UIET Chandigarh, Chandigarh, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	

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Effect of Tailoring Martensite Shape and Spatial Distribution on Tensile Deformation Characteristics of Dual Phase Steels	Ravi Kumar B., Nanda T., Singh V., Adhikary M., Halder N., Venugopalan T.	Materials Science and Evaluation (MSE), CSIR-National Metallurgical Laboratory, Jamshedpur, India; Mechanical Engineering Department, Indus International University, Una, India; Mechanical Engineering Department, Thapar University, Patiala, India; Tata Steel Limited, Jamshedpur, India; Engineering Division, CSIR-National Metallurgical Laboratory, Jamshedpur, India	Journal of Engineering Materials and Technology, Transactions of the ASME	2018	0094-4289
Atomic-level finishing of aluminum alloy by chemo-mechanical magneto-rheological finishing (CMMRF) for optical applications	Ghai V., Ranjan P., Batish A., Singh H.	Department of Mechanical Engineering, Indian Institute of Technology, Ropar Nangal Road, Rupnagar, Punjab, India; Precision Engineering Division, Bhabha Atomic Research Centre, Anushaktinagar, Mumbai, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Journal of Manufacturing Processes	2018	
Corrosion performance of Cr ₃ C ₂ -NiCr+0.2%Zr coated super alloys under actual medical waste incinerator environment	Ahuja L., Mudgal D., Singh S., Prakash S.	Department of Mechanical Engineering, SLIET, Longwol, Sangrur, 148106, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Metallurgical and Materials Engineering, IIT Roorkee, India	IOP Conference Series: Materials Science and Engineering	2018	
Improved Slurryability and Rheological Characteristics of High Ash Indian Coal by Hydrothermal Treatment	Singh H., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar Institute of Engineering & Technology, Patiala, India	International Journal of Coal Preparation and Utilization	2018	ISSN: 1939-2699

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A comparative study to evaluate the corrosion performance of Zr incorporated Cr ₃ C ₂ -(NiCr) coating at 900 °C	Ahuja L., Mudgal D., Singh S., Prakash S.	Department of Mechanical Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur, Punjab, India; Department of Metallurgical and Materials Engineering, Indian Institute of Technology, Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University Patiala Punjab, India	Ceramics International	2018	0272-8841
Surface modification of SS-316L steel using microwave processed Ni/WC based composite clads	Kaushal S., Singh D., Gupta D., Jain V., Bhowmick H.	Mechanical Engineering Department, Thapar University, Patiala, India	AIP Conference Proceedings	2018	0094243X
Effects of SiC, Al ₂ O ₃ , and ZrO ₂ particles on the LBMed characteristics of Al/SiC, Al/Al ₂ O ₃ , and Al/ZrO ₂ MMCs prepared by stir casting process	Kumar V., Sharma V.	Mechanical Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, The NorthCap University, Gurugram, India	Particulate Science and Technology	2018	ISSN:0272-6351
An initial new approach for magnetorheological finishing of ferromagnetic internal cylindrical surfaces	Bedi T.S., Singh A.K.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India	International Journal of Advanced Manufacturing Technology	2018	ISSN: 1433-3015
An experimental investigation on the effect of particle size into the flowability of fly ash	Rohilla L., Garg V., Mallick S.S., Setia G.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Powder Technology	2018	ISSN: 0032-5910
Effect of time dependent morphological parameters of nanoclusters on perikinet heat conduction and induced micro-convection mechanisms of oxide based nanofluids	Kundan L., Mallick S.S.	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Experimental Heat Transfer	2018	ISSN:1521-0480

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Performance analysis of effect of vibrations on solar panel conversion efficiency	Manu O., Verma J.K., Kalra P., Singh J., Kaur J., Bhatia H., Singh D., Sidhu E.	Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Electronics and Communication Engineering, Punjabi University, Patiala, India; Department of Computer Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology University, Patiala, India; Department of Electrical and Communication Engineering, Punjabi University, Patiala, India; Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, India	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Review on CFD Modelling of Fluidized Bed Combustion Systems based on Biomass and Co-firing	Kumar H., Mohapatra S.K., Singh R.I.	Department of Mechanical Engineering, Punjabi University, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, Birla Institute of Technology and Science, Pilani, Rajasthan, India	Journal of The Institution of Engineers (India): Series C	2018	2250-0545 (print version)
Application of Box-Behnken design and response surface methodology for multi-optimization of laser cutting of AA5052/ZrO2 metal-matrix composites	Sharma V., Kumar V.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	ISSN: 2250-0553
A new enrichment scheme in XFEM to model crack growth behavior in ductile materials	Kumar S., Bhardwaj G.	Department of Mechanical Engineering, Indian Institute of Technology Ropar Punjab, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Theoretical and Applied Fracture Mechanics	2018	ISSN: 0167-8442

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An investigation into the flowability of fine powders used in pharmaceutical industries	Garg V., Mallick S.S., Garcia-Trinanes P., Berry R.J.	The Wolfson Centre for Bulk Solids Handling Technology, University of Greenwich, United Kingdom; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, India	Powder Technology	2018	ISSN: 0032-5910
Influence of solid concentration on rheological characteristics of fly ash-water suspension	Singh H., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar University, Patiala, India	IOP Conference Series: Materials Science and Engineering	2018	ISSN: 1757-8981
An overview of solid base heterogeneous catalysts for biodiesel production	Marwaha A., Dhir A., Mahla S.K., Mohapatra S.K.	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, India; School of Energy and Environment, Thapar Institute of Engineering & Technology, Patiala, India; Department of Mechanical Engineering, I.K. Gujral Punjab Technical University, Hoshiarpur, India	Catalysis Reviews - Science and Engineering	2018	ISSN: 0161-4940
Optimization of biodiesel production from grape seed oil using Taguchi's orthogonal array	Singh G., Mohapatra S.K., S. Ragit S., Kundu K.	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Biofuel, CSIR CMERI CoFEM, Ludhiana, India	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018	ISSN: 1556-7036
Adaptive neuro-fuzzy inference system-based path planning of 5-degrees-of-freedom spatial manipulator for medical applications	Narayan J., Singla E., Soni S., Singla A.	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, India; Mechanical Engineering Department, Indian Institute of Technology Ropar (IIT Ropar), Rupnagar, India; Biomedical Instrumentation Division, CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh, India	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	ISSN 0954-4119
An efficient multipoint 5-axis tool positioning method for tensor product surfaces	Duvedi R.K., Bedi S., Mann S.	Thapar Institute of Engineering and Technology, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	International Journal of Advanced Manufacturing Technology	2018	ISSN: 0268-3768 (print version) ISSN: 1433-3015 (electronic version)

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An approach for developing nickel–alumina powder-based metal matrix composite cladding on SS-304 substrate through microwave heating	Kaushal S., Singh B., Gupta D., Bhowmick H., Jain V.	Mechanical Engineering Department, Thapar University, India	Journal of Composite Materials	2018	Online ISSN: 1530-793X
Analysis of cracked plate using higher-order shear deformation theory: Asymptotic crack-tip fields and XIGA implementation	Singh S.K., Singh I.V., Mishra B.K., Bhardwaj G., Singh S.K.	Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; School of Civil Engineering, Galgotias University, Greater Noida, India	Computer Methods in Applied Mechanics and Engineering	2018	ISSN: 0045-7825
Performance evaluation of a brine-recirculation multistage flash desalination system coupled with nanofluid-based direct absorption solar collector	Garg K., Khullar V., Das S.K., Tyagi H.	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology, Ropar, Rupnagar, Punjab, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Renewable Energy	2018	ISSN: 0960-1481
Simulation and optimization of coal-water slurry suspension flow through 90° pipe bend using CFD	Singh J.P., Kumar S., Mohapatra S.K.	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	International Journal of Coal Preparation and Utilization	2018	ISSN: 1939-2699
Real-time control of a rotary inverted pendulum using robust LQR-based ANFIS controller	Chawla I., Singla A.	Department of Mechanical Engineering, Thapar University, Patiala, India	International Journal of Nonlinear Sciences and Numerical Simulation	2018	ISSN – 2191-0294
Assessment of non-polynomial shear deformation theories for thermo-mechanical analysis of laminated composite plates	Joshan Y.S., Grover N., Singh B.N.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Aerospace Engineering, Indian Institute of Technology Kharagpur, West Bengal, India	Steel and Composite Structures	2018	ISSN: 1229-9367(Print), ISSN: 1598-6233(Online)

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Optimization of Hydrogen-Enriched Biogas by Dry Oxidative Reforming with Nickel Nanopowder Using Response Surface Methodology	Rosha P., Singh R., Mohapatra S.K., Mahla S.K., Dhir A.	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Mechanical Engineering, I.K. Gujral Punjab Technical University, Hoshiarpur Campus, Hoshiarpur, Punjab, India	Energy and Fuels	2018	0887-0624
Modeling, analysis and control of a single stage linear inverted pendulum	Singh G., Singla A.	Dept. of Mechanical Engineering, Indian Institute of Technology Delhi, Delhi, India; Dept. of Mechanical Engineering, Thapar University, Patiala, Punjab, India	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	2018	ISBN: 978-1-5386-0814-2
On processing of Ni-WC based functionally graded composite clads through microwave heating	Kaushal S., Gupta D., Bhowmick H.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Materials and Manufacturing Processes	2018	ISSN: 1042-6914
On processing of Ni-Cr3C2 based functionally graded clads through microwave heating	Kaushal S., Gupta D., Bhowmick H.	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Materials Research Express	2018	Online ISSN: 2053-1591
Comparison of machining characteristics of metal matrix composites using CO2 laser curve cutting process	Sharma V., Kumar V.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2018	

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Influence of single and dual particle reinforcements on the corrosion behavior of aluminum alloy based composites	Singla Y.K., Chhibber R., Avdesh, Goyal S., Sharma V.	Department of Mechanical and Industrial Engineering, IITR, Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, IIT Jodhpur, Jodhpur, Rajasthan, India; Department of Design, ISGEC Heavy Engineering Limited, Yamunanagar, Haryana, India; Department of Civil Engineering, Thapar University, Patiala, Punjab, India; Department of Metallurgical and Materials Engineering, IITR, Roorkee, Uttarakhand, India	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	
On developing improved modelling for particle velocity and solids friction for fluidized dense-phase pneumatic transport systems	Sharma K., Mallick S.S., Mittal A., Pan R.	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Fujian Longking Co., Ltd., Longyan, Fujian, China	Powder Technology	2018	ISSN: 0032-5910
Modeling flow properties of fine dry powders using particle morphological properties and its effects on geometry of fly ash evacuation hoppers	Mallick S.S., Rohilla L., Garg V., Setia G.	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Particulate Science and Technology	2018	ISSN: 0272-6351 Online ISSN: 1548-0046
Applicability of heat mirrors in reducing thermal losses in concentrating solar collectors	Mahendra P., Khullar V., Mittal M.	Mechanical Engineering Department, Thapar University, Patiala Patiala, Punjab, India	ASME Journal of Thermal Science and Engineering Applications	2018	ISSN: 1948-5085
Mechanical and thermal properties of SrO/BaO modified Y2O3-Al2O3-B2O3-SiO2 glasses and their compatibility with solid oxide fuel cell components	Navdeep Kaur, Gurbinder Kaur, Devender Kumar, K. Singh	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Journal of Physics and Chemistry of Solids	2018	ISSN: 0022-3697
Parametric study of the energy efficiency of the HDH desalination unit integrated with nanofluid-based solar collector	Kapil Garg, Vikrant Khullar, Sarit K Das, Himanshu Tyagi	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology, Ropar, Rupnagar, Punjab, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Journal of Thermal Analysis and Calorimetry	2018	ISSN:1588-2926

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Adaptive ball drop algorithm for toolpath generation of axisymmetric triangulated parts to eliminate overcutting	Ajayinder Singh Jawanda, Ajay Batish, Sanjeev Bedi	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Deemed to be University, Patiala, Punjab, India 147 001	Int J Adv Manuf Technol (2018). https://doi.org/10.1007/s00170-018-2507-7	2018	Online ISSN 1433-3015 Print ISSN 0268-3768
Investigation of parameteric effects on geometrical discrepancies in deformation machining process	Arshpreet Singh, Anupam Agrawal	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Deemed to be University, Patiala, Punjab, India 147 001	ASME Journal of Manufacturing Science and Engineering, Vol. 140 / 074501-1	2018	1087-1357
Impact of reducing and capping agents on carbohydrates for the growth of Ag and Cu nanostructures and their antibacterial activities	Rather R.A., Sarwara R.K., Das N., Pal B.	Biotechnology	Particuology	2018	1674-2001
XPF polymorphism toward lung cancer susceptibility and survival in patients treated with platinum-based chemotherapy	Lawania S., Sharma S., Singh N., Behera D.	Biotechnology	Future Oncology	2018	1479-669
Role of sequence variations in AhR gene towards modulating smoking induced lung cancer susceptibility in North Indian population: A multiple interaction analysis	Budhwaj S., Bahl C., Sharma S., Singh N., Behera D.	Biotechnology	Current Genomics	2018	1875-5488
Arcopilus aureus, a Resveratrol-Producing Endophyte from Vitis vinifera	Dwibedi V., Saxena S.	Biotechnology	Applied Biochemistry and Biotechnology	2018	0273-2289
XPC Polymorphism and Risk for Lung Cancer in North Indian Patients Treated with Platinum Based Chemotherapy and Its Association with Clinical Outcomes	Lawania S., Singh N., Behera D., Sharma S.	Biotechnology	Pathology and Oncology Research	2018	1219-4956
Biochemical and histological changes during in vitro rooting of microcuttings of Bacopa monnieri (L.) Wettst	Goel A., Kaur A., Kumar A.	Biotechnology	Acta Physiologiae Plantarum	2018	1861-1664
Interactive potential of genetic polymorphism in Xenobiotic metabolising and DNA repair genes for predicting lung cancer predisposition and overall survival in North Indians	Bhardwaj A., Bahl C., Sharma S., Singh N., Behera D.	Biotechnology	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	2018	1383-5718
Corn steep liquor as a nutritional source for biocementation and its impact on concrete structural properties	Joshi S., Goyal S., Reddy M.S.	Biotechnology	Journal of Industrial Microbiology and Biotechnology	2018	1476-5535
Direct somatic embryogenesis of potato [Solanum tuberosum (L.)] cultivar 'Kufri Chipsona 2'	Kaur A., Reddy M.S., Kumar A.	Biotechnology	Plant Cell, Tissue and Organ Culture	2018	1573-5044
Heavy metal accumulation from coal fly ash by cyanobacterial biofertilizers	Kaur R., Goyal D.	Biotechnology	Particulate Science and Technology	2018	0272-6351

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Draft genome sequence of a fungus (<i>Fusarium tricinctum</i>) cultured from a monoisolate native to the Himalayas	Meena N., Vasundhara M., Reddy M.S., Suravajhala P., Raghavender U.S., Medicherla K.M.	Biotechnology	Genome Announcements	2018	21698287
Association of XPA Polymorphisms Towards Lung Cancer Susceptibility and its Predictive Role in Overall Survival of North Indians	Lawania S., Singh N., Behera D., Sharma S.	Biotechnology	Biochemical Genetics	2018	1573-4927
Role of polymorphic XRCC6 (Ku70)/XRCC7 (DNA-PKcs) genes towards susceptibility and prognosis of lung cancer patients undergoing platinum based doublet chemotherapy	Singh A., Singh N., Behera D., Sharma S.	Biotechnology	Molecular Biology Reports	2018	1573-4978
Metal induction of two metallothionein genes in the ectomycorrhizal fungus <i>suillus himalayensis</i> and their role in metal tolerance	Kalsotra T., Khullar S., Agnihotri R., Reddy M.S.	Biotechnology	Microbiology (United Kingdom)	2018	1608-3237
Endophytic fungi of <i>Tinospora cordifolia</i> with anti-gout properties	Kapoor N., Saxena S.	Biotechnology	3 Biotech	2018	2190-5738
Isolation and characterization of trichalasin producing endophytic fungus from <i>Taxus baccata</i> .	Vasundhara M, Baranwal M, Kumar A	Biotechnology	Annals of Microbiology 67: 255-251	2017	1590-4261
Optimization of cell growth and bacoside-A production in suspension cultures of <i>Bacopa monnieri</i> (L.) Wettst. using response surface methodology.	Bansal M, Reddy MS, Kumar A	Biotechnology	In Vitro Cellular and Developmental Biology-Plants 53: 527-537.	2017	1475-2689
Efficient, one step and cultivar independent shoot organogenesis of potato.	Kaur A, Reddy MS, Kumar A	Biotechnology	Physiology and Molecular Biology of Plants 23:461–469	2017	0971-5894
Association between Microrna 146a and Microrna 196a2 Genes Polymorphism and Breast Cancer Risk in North Indian Women,	Vijay Kumar Bodal, Shruti Sangwan , Manjit Singh Bal , Mohanvir Kaur, Siddharth Sharma, Bhavleen Kaur	biotechnology	Asian Pacific Journal of Cancer Prevention	2017	1513-7368
Biochemical and histological changes during in vitro rooting of microcuttings of <i>Bacopa monnieri</i> (L.) Wettst.	Goel A, Kaur A, Kumar A	Biotechnology	Acta Physiologiae Palantarum	2018	1861-1664
Biodegradation of pro-oxidant filled polypropylene films and evaluation of the ecotoxicological impact.	Nando GB, Mandal DK, Bhunia H, Bajpai PK, Kumar A, Madhu G	Biotechnology	Journal of Polymers and the Environment	2018	1566-2543
Direct somatic embryogenesis of potato [<i>Solanum tuberosum</i> (L.)] cultivar 'Kufri Chipsona 2'.	Kaur A, Reddy MS, Kumar A	Biotechnology	Plant Cell, Tissue & Organ Culture	2018	0167-6857
Genetic transformation of endo-1,4-b-glucanase (Korrigan) for cellulose enhancement in <i>Eucalyptus tereticornis</i> . DOI 10.1007/s11240-015-0774-7 (IF 2.39)	Aggarwal D, Kumar A, Reddy MS	Biotechnology	Plant Cell Tissue & Organ Culture	2015	0167-6857

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High order gene interactions between the genetic polymorphisms in Wnt and AhR pathway towards lung cancer susceptibility.	Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Personalized Medicine	2017	1741-0541
Interactive potential of genetic polymorphism in Xenobiotic metabolizing and DNA repair genes for predicting lung cancer predisposition and overall survival in North Indians.,	Apurva Bhardawaj, Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Mutation Research and Genetic Toxicology	2018	ISSN: 1383-5718
Role of sequence variations in AhR gene towards modulating smoking induced lung cancer susceptibility and Clinical outcomes in North Indian population: A multiple interaction analysis.	Sneha, Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Current Genomics	2018	ISSN : 1875-5488
Selenium supplementation through Se-rich dietary matrices can upregulate the anti-inflammatory responses in lipopolysaccharide stimulated murine macrophages.	Noorpreet Dhanjal, Siddharth Sharma, Suresh Prabhu, N Tejo Prakash	biotechnology	Food and Agricultural Immunology,	2017	ISSN 0954-0105
Single Nucleotide Variations in the Wnt antagonist sFRP3 (rs7775 & rs288326) and sFRP4 (rs1802073 & rs1802074) genes and their association with lung cancer risk in North Indians.	Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Meta Gene	2017	SSN: 2214-5400
. Association of polymorphisms in Dickopf (DKK) gene towards modulating risk for lung cancer in north Indians.	Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Future-Oncology	2016	1479-6694
Acinetobacter haemolyticusMG606 produces a novel, phosphate binding exobiopolymer,	T.Kaur and M. Ghosh	Biotechnology	Microbiological research	2015	
Alkalistable xylanase production by alkali tolerant Paenibacillus montaniterrae RMV1 isolated from red mud	Arora A, Krishna P, Malik V, Reddy MS.	Biotechnology	Journal of Basic Microbiology	2014	1521-4028
Amomum subulatum seed extract exhibit antioxidant, cytotoxic and immune-suppressive effect	Sharma V, N Lohia, V Handa, M Baranwal	Biotech	Indian Journal of Biochemistry and Biophysics	2017	3011208
Antimicrobial efficacy and in vivo toxicity studies of a quaternized biopolymeric flocculant,	T.Kaur and M. Ghosh	Biotechnology	Carbohydrate Polymers	2016	
Antimicrobial efficacy and safety of mucoadhesive exopolymer produced by Acinetobacter haemolyticus.	Kaur, T., Ghosh, M., H Bridle, V Sharma	Biotechnology		2017	
Antioxidant and cytotoxic activity of carotenes produced by Dunaliella salina under stress	Singh P, Baranwal M, Reddy MS	Biotechnology	Pharmaceutical Biology	2016	1388-0209

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Antioxidant and immune effects of water soluble polysaccharides isolated from Cinnamomum verum bark	Goyal M, Kaur H, Bhandari M, Rizvanov AA, Khaiboullina SF, Baranwal M	Biotech	BioNanoScience	2018	21911630
Applicability of bacterial biocementation in sustainable construction materials	Dhami, NK, Mukherjee A, Reddy MS.	Biotechnology	Asia-Pacific Journal of Chemical Engineering	2016	1932-2143
Application of biopolymer produced from metabolic engineered Acinetobacter sp. for the development of phosphate optoelectronic sensor	Kaur, T., Sharma, J., Ganguli, A. and Ghosh, M	Biotechnology	Composite Interfaces	2014	
Application of calcifying bacteria for remediation of stones and cultural heritages	Dhami NK, Reddy MS, Mukherjee A.	Biotechnology	Frontiers in Microbiology	2014	1664-302X
Arginine assisted immobilization of silver nanoparticles on ZnO nanorods: An enhanced and reusable antibacterial substrate without human cell cytotoxicity	Shekhar Agnihotri, Geetika Bajaj G., Suparna Mukherji and Soumyo Mukherji	Biotechnology	Nanoscale	2015	2040-3372
Association of candidate genetic variations in Axin2 gene with lung cancer risk in North Indian population: A multiple-interaction analysis.	Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Tumor Biology	2017	ISSN: 1010-4283
Bacterial diversity of extremely alkaline bauxite residue site of alumina industrial plant using culturable bacteria and residue 16S rRNA gene clones	Krishna P, Babu AG, Reddy MS	Biotechnology	Extremophiles 18:665–676	2014	1431-0651
Biocalcification by halophilic bacteria for remediation of concrete structures in marine environment	Bansal R, Dhami NK, Mukherjee A, Reddy MS	Biotechnology	Journal of Industrial Microbiology and Biotechnology	2016	1367-5435
Biofilm forming ability of Sphingomonas paucimobilis isolated from community drinking water systems on plumbing materials used in water distribution.	Gulati, P and Ghosh M	Biotechnology	Journal of water and health.	2017	
Biomineralization of 2,3,4,6-tetrachlorophenol by Bacillus sp. and Staphylococcus sp. isolated from secondary sludge of pulp and paper mill.	Karn SK, Reddy MS, Chakrabarti SK	Biotechnology	Bioremediation Journal	2014	1088-9868
Changes in endogenous polyamines during in vitro cornlet formation in Gladiolus hybridus Hort.	Kumar A, Palni LMS	Biotechnology	Scientia Horticulturae	2013	0304-4238
Characterization and Optimization of an Anti-Aeromonas Bacteriocin Produced by Lactococcus lactis Isolated from Hukuti Maas, an Indigenous Fermented Fish Product,	Kumar, M, Jain, A, Ghosh M and Ganguli A	Biotechnology	Journal of Applied Microbiology	2016	1448617

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Characterization and toxicity of a phosphate-binding exobiopolymer produced by <i>Acinetobacter haemolyticus</i> MG606	Kaur T and Ghosh,M	Biotechnology	International Journal of Biological Macromolecules,	2017	0141-8130
Characterization and upregulation of bifunctional Phosphoglucomutase/Phosphomannomutase enzyme in an exobiopolymer overproducing strain of <i>Acinetobacter haemolyticus</i>	T.Kaur and M.Ghosh	Biotechnology	Environmental Technology	2017	14778920
Class I patatin genes from potato (<i>Solanum tuberosum</i> L.) cultivars: molecular cloning, sequence comparison, prediction of diverse cis-regulatory motifs, and assessment of the promoter activities under field and in vitro conditions	Raghavendra Aminedi, Niranjan Das	Biotechnology	In Vitro Cellular & Developmental Biology–Plant	2014	Springer
Combinations of the variant genotypes of CYP1A1, GSTM1 and GSTT1 are associated with an increased lung cancer risk in North Indian population: a case-control study.	Girdhar Y, Singh N, Behera D, Siddharth Sharma	biotechnology	Pathology & Oncology Research	2016	ISSN : 1219-4956
Conserved peptide containing overlapping CD4+ and CD8+ T cell epitopes in H1N1 influenza virus: An immunoinformatics approach	Lohia N, Baranwal M		Viral Immunology	2014	8828245
Construction of sized eukaryotic cDNA libraries using low input of total environmental metatranscriptomic RNA	Yadav RK, Barbi F, Ziller A, Luis P, Marmesse R, Reddy MS, Fraissinet-Tachet L.	Biotechnology	BMC Biotechnology	2014	1472-6750
Cultured from a Monoisolate Native to the Himalayas	Suravajhala P, Raghavender US, Medicherla KM	Biotechnology	Announc 6:e00365-18	2013	
Differential expression of metallothioneins in response to heavy metals and their involvement in metal tolerance in the symbiotic basidiomycete <i>Laccaria bicolor</i>	Reddy MS, Prasanna L, Marmesse R. and Fraissinet-Tachet L.	Biotechnology	Microbiology	2014	0026-2617
Direct somatic embryogenesis and encapsulation of somatic embryos for in vitro conservation of <i>Bacopa monnieri</i> (L.) Wettst.	Khelwani B, Kaur A, Ranjan R, Kumar A	Biotechnology	Plant Cell Tissue & Organ Culture	2016	0167-6857
Disinfection of water in a batch reactor using chloridized silver surfaces	Dhiman Chakraborty, Vivek Sharma, Shekhar Agnihotri, Soumyo Mukherji and Suparna Mukherji	Biotechnology	Journal of Water Process Engineering	2017	2214-7144
Diversity amongst wild accessions of <i>Bacopa monnieri</i> (L.) Wettst. and their morphogenetic potential.	Bansal M, Kumar A, Reddy MS	Biotechnology	Acta Physiologiae Plantarum	2014	1861-1664

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Diversity and antimutagenic activity of taxol producing endophytic fungi from Himalayan yew	Garyali S, Kumar A, Reddy MS	Biotechnology	Annals of Microbiology 64: 1413-1422	2014	1869-2044
Diversity of taxol producing endophytic fungi from Himalayan yew.	Garyali S, Kumar A, Reddy MS	Biotechnology	Annals of Microbiology	2014	1590-4261
Diversity of the genus Suillus Gray from coniferous forests of the northwestern Himalayas, India: Taxonomy, ecology and some new records.	Verma B, Reddy MS	Biotechnology	Kavaka	2016	0379-5179
Draft Genome Sequence of a Fungus (<i>Fusarium tricinctum</i>)	Meena N, Vasundhara M, Reddy MS,	Biotechnology	Genome	2018	Online ISSN: 2169-8287
Ectomycorrhizal fungi and its role in metal homeostasis through metallothionein and glutathione mechanisms	Khullar S, Reddy MS	Biotechnology	Current Biotechnology	2016	2211-5501
Effects of Phosphate-Solubilizing Bacteria, Rock Phosphate and Chemical Fertilizers on Maize-Wheat Cropping Cycle and Economics	Kaur G, Reddy MS	Biotechnology	Pedosphere	2015	ISSN: 1002-0160
Endophytic fungi of <i>Tinospora cordifolia</i> with anti-gout properties.	Neha Kapoor and Sanjai Saxena	Department of Biotechnology	3 Biotech	2018	SSN: 2190-5738 (electronic version)
Endophytic Fungi: A Source of Potential Antifungal Compounds	Sunil Kumar Deshmukh, Manish K. Gupta, Ved Prakash and Sanjai Saxena	Department of Biotechnology	Journal of Fungi	2018	ISSN 2309-608X
Endophytic <i>Fusarium</i> species from <i>Aegle marmelos</i> : A novel source of potential pancreatic lipase inhibitor.	Mahiti Gupta, Sanjai Saxena and Dinesh Goyal	Department of Biotechnology	Symbiosis	2014	ISSN: 0334-5114 (Print) 1878-7665 (Online)
Enhancement of taxol production from endophytic fungus <i>Fusarium redolens</i> .	Garyali S, Kumar A, Reddy MS	Biotechnology	Biotechnology and Bioprocess Engineering	2014	1976-3816
Factors affecting genetic transformation and shoot organogenesis of <i>Bacopa monnieri</i> (L.) Wettst.	Aggarwal D, Jaiswal N, Kumar A, Reddy MS	Biotechnology	Journal of Plant Biochemistry & Biotechnology	2013	0971-7811
Fibrinolytic potential of endophytic <i>Lasioidiplodia pseudotheobromae</i> from Western Ghats of India	Vineet Meshram and Sanjai Saxena	Department of Biotechnology	3 Biotech	2016	ISSN: 2190-5738 (electronic version)
First report of <i>Botryosphaeria</i> species as a pathogen on Water hyacinth in Harike wetland, India.	Birinderjit Singh, Sanjai Saxena, Vineet Meshram and Maneek Kumar	Department of Biotechnology	Journal of Biopesticides	2016	ISSN: 0974-391X
Functional Genetic Variants in pre-miR-146a and 196a2 genes are associated with risk of lung cancer in North Indians.	Sodhi KK, Bahl C, Singh N, Behera D, Sharma S	biotechnology	Future Oncology,	2015	1479-6694
Functional role of CyclinD1 polymorphism (G870A) in modifying susceptibility and overall survival of North Indian lung cancer patients.	Ankita Pandey, Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Tumori	2017	ISSN : 0300-8916

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Fusarium tricinctum, an endophytic fungi exhibits cell growth inhibition and antioxidant activity	Vasundhara M, Baranwal M, Kumar A	Biotechnology	Indian Journal of Microbiology	2016	0046-8991
Genetic Investigation of Polymorphic OGG1 and MUTYH Genes Towards Increased Susceptibility in Lung Adenocarcinoma and its Impact on Overall Survival of Lung Cancer Patients Treated with Platinum Based Chemotherapy. .	Amrita Singh, Navneet Singh, Digambar Behera, Siddharth Sharma	biotechnology	Pathology & Oncology Research	2017	ISSN : 1219-4956
Genetic polymorphisms in GSTM1, GSTT1 and GSTP1 genes and risk of lung cancer in a North Indian population.	Sharma N, Singh A, Singh N, Behera D, Sharma S	biotechnology	Cancer Epidemiology	2015	ISSN : 1877-7821
Genetic transformation of endo-1,4-b-glucanase (Korrigan) for cellulose enhancement in Eucalyptus tereticornis	Aggarwal D, Kumar A, Reddy MS	Biotechnology	Plant Cell Tissue and Organ Culture	2015	ISSN: 0167-6857
Genetic variants in Wnt antagonist genes predicts the overall survival and prognosis of North Indian lung cancer patients treated with platinum based doublet chemotherapy.	Charu Bahl, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Cancer Biotherapy and Radiopharmaceuticals	2018	ISSN, 1084-9785.
Identification of conserved peptides comprising multiple T cell epitopes of matrix 1 protein in H1N1 influenza virus.	Lohia N, Baranwal M		Viral Immunology,	2015	8828245
Immobilized silver nanoparticles enhance contact killing and show highest efficacy: Elucidation of the mechanism of bactericidal action of silver	Shekhar Agnihotri, Soumyo Mukherji and Suparna Mukherji	Biotechnology	Nanoscale	2013	2040-3372S
Immune response of highly conserved influenza A virus matrix 1 peptides.	Lohia N, Baranwal M	Biotech	Microbiology and Immunology	2017	3855600
Impact of reducing and capping agents on carbohydrates for the growth of Ag and Cu	Rayees Ahmad Rather, Ramandeep K. Sarwara, Niranjana Das, Bonamali Pal	Biotechnology	Particuology	2018	Elsevier ISSN: 1674-2001
Improvement of crop yield by phosphate solubilizing Aspergillus species in organic farming	Kaur G, Reddy MS.	Biotechnology	Archives of Agronomy and Soil Science	2017	0365-0340
Influence of Agrobacterium rhizogenes strains on hairy root induction and 'bacoside A' production from Bacopa monnieri (L.) Wettst.	Bansal M, Kumar A, Reddy MS	Biotechnology	Acta Physiologiae Plantarum	2014	1861-1664
Influence of Exopolymeric Materials on Bacterially Induced Mineralization of Carbonates	Bains A, Dhama NK, Mukherjee A, Reddy MS	Biotechnology	Applied Biochemistry and Biotechnology	2015	
Influence of nutrient components of media on structural properties of	Sumit Joshi, Shweta Goyal, M. Sudhakara Reddy	Biotechnology	Construction and Building Materials	2018	0950-0618

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Influence of P-solubilizing bacteria on crop yield and soil fertility at multilocal sites	Kaur G, Reddy MS	Biotechnology	European Journal of Soil Biology 61: 35-40	2014	1164-5563
Influence of sclerotia formation on ligninolytic enzyme production in <i>Morchella crassipes</i>	Kanwal HK, Reddy MS	Biotechnology	Journal of Basic Microbiology	2014	1521-4028
Isolation and characterization of trichothalins producing endophytic fungus from <i>Taxus baccata</i> .	Vasundhara M, Baranwal M, Kumar A	Biotechnology	Annals of Microbiology	2017	1590-4261
Kinetics of biodegradation of Polypropylene/ Polylactide Blends	Jain K, Madhu G, Bhunia H, Bajpai PK, Reddy MS	Biotechnology	Journal of Polymer Materials 31: 63-76	2014	9738622
Media Optimization for In Vitro Bacoside-a Production in <i>Bacopa monnieri</i> (L.) Wettst.	Bansal M, Kumar A, Reddy MS	Biotechnology	In Vitro Cellular and Developmental Biology-Plants	2016	1475-2689
Metadherin peptides containing CD4(+) and CD8(+) T cell epitopes as a therapeutic vaccine candidate against cancer.	Dhiman G, Lohia N, Jain S, Baranwal M		Microbiology and Immunology	2016	3855600
Metagenomics analysis reveals a new metallothionein family: Sequence and metal-binding features of new environmental cysteine-rich proteins	Ziller A, Yadav RK, Capdevila M, Reddy MS, Vallon L, Marmesse R, Atrian S, Palacios O, Fraissinet-Tachet L.	Biotechnology	Journal of Inorganic Biochemistry	2017	ISSN: 0162-0134
Metal induction of a <i>Pisolithus albus</i> metallothionein and its potential involvement in heavy metal tolerance during mycorrhizal symbiosis	Reddy MS, Kour M, Aggarwal S, Ahuja S, Roland Marmesse, Laurence Fraissinet-Tachet	Biotechnology	Environmental Microbiology	2016	Online ISSN:1462-2920
Microbial healing of cracks in concrete: a review	Joshi S, Goyal S, Mukherjee A, Reddy MS	Biotechnology	Journal of industrial microbiology & biotechnology	2017	1367-5435
Micrographical, mineralogical and nano-mechanical characterization of microbial carbonates from urease and carbonic anhydrase producing bacteria	Dhami, NK, Mukherjee A, Reddy MS	Biotechnology	Ecological Engineering	2016	0925-8574
Molecular approaches to screen bioactive compounds from endophytic fungi.	Vasundhara M, Kumar A, Reddy MS	Biotechnology	Frontiers in Microbiology (In Press)	2016	1664-302X
Molecular cloning and sequence comparison of a cDNA encoding α -glucan, water dikinase (GWD) from potato (<i>Solanum tuberosum</i> L.), and analysis of gene expression	Anshu Bansal, Niranjana Das	Biotechnology	Journal of Plant Biochemistry and Biotechnology	2013	Springer
Molecular cloning, sequence analyses, and expression studies of sucrose-phosphate synthase in the potato (<i>Solanum tuberosum</i> L.) cultivars	Dhakshi Taneja, Niranjana Das	Biotechnology	Acta Physiologiae Plantarum	2014	Springer ISSN: 1861-1664
Monitoring of biofilm ageing in a <i>Sphingomonas</i> sp. strain from public drinking water sites through changes in capacitance.	Gulati, P., Singh, P., Chatterjee, A. K., Ghosh, M	Biotechnology	Journal of water and Health	2017	14778920

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Mycoherbicidal potential of <i>Phaeoacremonium italicum</i> , a new pathogen of <i>Eichhornia crassipes</i> infesting Harike wetland, India.	Birinderjit Singh, Sanjai Saxena, Maneek Kumar and Vineet Meshram (2016):	Department of Biotechnology	Mycobiology	2016	ISSN 1229-8093
Mycorrhizal fungi in extreme environments and their impact on plant growth	Khosla B, Reddy MS	Biotechnology	Kavaka	2014	0379-5179
Nanocavity-Coupled Photonic Crystal Waveguide as Highly Sensitive Platform for Cancer Detection.	Saronika Jindal, Shruti Sobti; Mukesh Kumar; Siddharth Sharma ; Manoj Kumar Pal	biotechnology	IEEE-Sensors Journal.	2016	1530-437X
New records of <i>Cantharellus</i> species from the northwestern Himalayas of India	Kumari D, Reddy MS, Upadhyay RC	Biotechnology	Mycology 4 : 205 – 220	2014	2150-1203
<i>Pestalotiopsis</i> species occur as generalist endophytes in trees of Western Ghats forests of southern India	Reddy MS, Murali TS, Suryanarayanan TS, Govindarajulu MB, Thirunavukkarasu N.	Biotechnology	Fungal Ecology	2016	1754-5048
Photo-oxidation kinetics of sugars having different molecular size and glycosidic linkages for their complete mineralization to subunits by bare/Ag–TiO ₂ under UV irradiation	Samriti Thakur, Kirandeep Kaur, Niranjana Das, Bonamali Pal	Biotechnology	Journal of the Taiwan Institute of Chemical Engineers	2017	Elsevier ISSN: 1876-1070
Physico-mechanical characterization and biodegradability behavior of polypropylene/poly (L-lactide) polymer blends	Jain K, Madhu G, Bhunia H, Bajpai PK, Golok NB, Reddy MS	Biotechnology	Journal of Polymer Engineering	2015	2191-0340
Polymorphism in XRCC1 gene modulates survival and clinical outcomes of Advanced North Indian Lung cancer patients treated with platinum based doublet chemotherapy.	Amrita Singh, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Medical Oncology	2017	ISSN: 1357-0560
Production of bacoside A, a memory enhancer from hairy root cultures of <i>Bacopa monnieri</i> (L.) Wettst.	Bansal M, Kumar A, Reddy MS	Biotechnology	Journal of Applied Research on Medicinal and Aromatic Plants	2015	2214-7861
<i>Pseudomonas</i> sp. CL7 from sludge removed 2,3,4,6-tetrachlorophenol in vivo and in vitro condition	Karn SK, Reddy MS, Chakrabarti SK	Biotechnology	Water Environment Research	2016	1061-4303
Quantification and In Vitro Bioaccessibility of Selenium from Osborne Fractions of Selenium-Rich Cereal Grains.,	Noorpreet I. Dhanjal Siddharth Sharma, and N. Tejo Prakash	biotechnology	Cereal Chemistry	2016	ISSN 0009-0352
Rapid inactivation of <i>Salmonella</i> by a quaternized biopolymeric flocculant,	Khaira, G.K., Ganguli, A. and Ghosh M.	Biotechnology	Journal of Water and Health	2016	9593330
Role of phosphate-solubilizing bacteria in improving the soil fertility and crop productivity in organic farming	Kaur G, Reddy MS	Biotechnology	Archives of Agronomy and Soil Science	2014	0365-0340

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Role of polymorphic XRCC6 (Ku70/ XRCC7 (DNAPKcs) genes towards susceptibility and prognosis of lung cancer patients undergoing platinum based doublet chemotherapy.	Amrita Singh, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Molecular Biology Reports	2018	ISSN: 0301-4851
Seasonal variations in harvest index and bacoside A contents amongst accessions of <i>Bacopa monnieri</i> (L.) Wettst. collected from wild populations.	Bansal M, Kumar A, Reddy MS	Biotechnology	Physiology and Molecular Biology of Plants	2016	0971-5894
Selective detection of Mg ²⁺ ions via enhanced fluorescence emission using Au-DNA nanocomposites	Tanushree Basu, Khyati Rana, Niranjana Das, Bonamali Pal	Biotechnology	Beilstein Journal of Nanotechnology	2017	Beilstein-Institut ISSN 2190-4286
Shape-dependent bactericidal activity of TiO ₂ for the killing of Gram-negative bacteria <i>Agrobacterium tumefaciens</i> under UV torch irradiation	Raghavendra Aminedi, Gunveen Wadhwa, Niranjana Das, Bonamali Pal	Biotechnology	Environmental Science and Pollution Research	2013	Springer
Association of p53 codon 72 polymorphism and survival of North Indian lung cancer patients treated with platinum-based chemotherapy.	Ankita Kumar, Charu Bahl, Navneet Singh, Digambar Behera & Siddharth sharma	biotechnology	Molecular Biology Reports,	2016	ISSN: 0301-4851
Association of XPA Polymorphisms Towards Lung Cancer Susceptibility and its Predictive Role in Overall Survival of North Indians.	Shweta Lawania, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Biochemical Genetics	2018	ISSN : 0006-2928
Association and multiple interaction analysis among five XRCC1 polymorphic variants in modulating lung cancer risk in North Indian population.	Amrita Singh, Navneet Singh, Digambar Behera & Siddharth	biotechnology	DNA Repair	2016	ISSN- 1568-7864
Significant indicators for biomineralisation in sand of varying grain sizes	Dhami NK, Reddy MS, Mukherjee A.	Biotechnology	Construction and Building Materials	2016	0950-0618
Size-controlled silver nanoparticles synthesized over the range 5-100 nm using the same protocol and their antibacterial efficacy	Shekhar Agnihotri, Soumyo Mukherji and Suparna Mukherji	Biotechnology	RSC Advances	2014	2046-2069
<i>Suillus himalayensis</i> (Basidiomycota, Agaricomycetes, Boletales), a new species associated with <i>Pinus wallichiana</i> from north western Himalayas, India	Verma B, Reddy MS	Biotechnology	Nova Hedwigia	2014	0029-5035
<i>Suillus indicus</i> sp. nov. (Boletales, Basidiomycota), a new boletoid fungus from northwestern Himalayas, India.	Verma B, Reddy MS	Biotechnology	Mycology	2014	2150-1203
<i>Suillus triacicularis</i> sp. nov., a new species associated with <i>Pinus roxburghii</i> from northwestern Himalayas, India	Verma B, Reddy MS	Biotechnology	Phytotaxa	2014	1179-3155

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Surfactant enhanced drying of waterbased poly(vinyl alcohol) coatings	Daisy Sharma, Jyoti Sharma, Raj Kumar Arya, Sanjeev Ahuja, Shekhar Agnihotri	Biotechnology	Progress in Organic Coatings	2018	0300-9440
Survey and selection of <i>Jatropha curcas</i> L. germplasm: assessment of genetic variability and divergence studies on the seed traits and oil content	Rajneesh Kumar, Niranjana Das	Biotechnology	Industrial Crops & Products	2018	Elsevier ISSN: 0926-6690
Synergistic association of CYP1A1 polymorphisms with increased susceptibility to squamous cell lung cancer in north Indian smokers.	Yashila Girdhar, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Int J Biol Markers	2016	ISSN, 1724-6008
Synergistic role of bacterial urease and carbonic anhydrase in carbonate Mineralization	Dhami NK, Mukherjee A, Reddy MS	Biotechnology	Applied Biochemistry and Biotechnology 172: 2552 – 2561	2014	0273-2289
Synthesis and evaluation of antibacterial activity of quaternized biopolymer from <i>Klebsiella terrigena</i>	Khaira GK and Ghosh M	Biotechnology	Water Science & Technology: water supply	2016	9445013
Taxol production by an endophytic fungus <i>Fusarium redolens</i> isolated from Himalayan Yew	Garyali S, Kumar A, Reddy MS	Biotechnology	Journal of Microbiology and Biotechnology	2013	1017-7825
Utilization of carbon dioxide as an alternative to urea in biocementation	Kaur G, Dhami NK, Goyal S, Mukherjee A, Reddy MS	Biotechnology	Construction and Building Materials	2016	0950-0618
Vacuolar invertases in potato (<i>Solanum tuberosum</i> L.): molecular cloning, characterization, sequence comparison, and analysis of gene expression in the cultivars	Vijay Kumari, Niranjana Das	Biotechnology	Acta Physiologiae Plantarum	2013	Springer ISSN: 1861-1664
Xanthine oxidase inhibitory and antioxidant potential of Indian <i>Muscodora</i> Species.	Neha Kapoor and Sanjay Saxena	Department of Biotechnology	3 Biotech	2016	ISSN: 2190-5738 (electronic version)
XPC Polymorphism and risk for lung cancer in North Indian patients treated with platinum based chemotherapy and its association with clinical outcomes.	Shweta Lawania, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Pathology & Oncology Research	2018	ISSN : 1219-4956
XPD polymorphism towards lung cancer susceptibility survival and response in patients treated with platinum chemotherapy.	Shweta Lawania, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Future Oncology	2017	1479-6694
XPF polymorphism toward lung cancer susceptibility and survival in patients treated with platinum-based chemotherapy.	Shweta Lawania, Navneet Singh, Digambar Behera & Siddharth Sharma	biotechnology	Future Oncology	2018	1479-6694
Longitudinal dispersion subjected to rigid vegetation in a channel.	Dwarikanath Ratha, Avinash Chandra, Richa Babbar, Arindam Sarkar	CED	KSCE-Journal of Civil Engineering	2018	1976-3808

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Hypsometric analysis of the micro-watersheds with different management practices located on Shivalik foothills	Sushma Walia, Sarbjit Singh, Dikesh Chandra Loshali, Richa Babbar	CED	Arabian Journal of Geosciences	2018	1866-7511
Performance evaluation of two ANFIS models for predicting Water Quality Index of River Satluj (India).	Sharad Tiwari, Richa Babbar, Gagandeep Kaur	CED	Advances in Civil Engineering	2018	1687-8094
Causal dynamics of CO ₂ source emissions and population in India using Bayesian approach	Sakshi Babbar and Richa Babbar	CED	Modeling Earth Systems and Environment	2018	2363-6203
Acoustic emission vis-à-vis electrochemical techniques for corrosion monitoring of reinforced concrete element	Patel S., Karkare B., Goyal S	CED	Construction and Building Materials	2014	0950-0618
Mechanical properties and microstructural analysis of cement mortar incorporating marble powder as partial replacement of cement	Kirti Vardhan; Shweta Goyal, Rafat Siddique, Malkit Singh	CED	Construction and Building Materials	2015	0950-0618
Acoustic emission-based mathematical procedure for quantification of rebar corrosion in reinforced concrete	Shilpa Patil, Bilavari Karkare, ShwetaGoyal	CED	Current Science	2015	0011-3891
Accelerated carbonation curing of cement mortars containing cement kiln dust: An effective way of CO ₂ sequestration and carbon footprint reduction	Devender Sharma, Shweta Goyal	CED	Journal of Cleaner Production	2018	0959-6526
Electrochemical Impedance Spectroscopy to study the carbonation behavior of concrete treated with corrosion inhibitors	Kulwinder Kaur, Shweta Goyal, Bishwajit Bhattacharjee, Maneek Kumar	CED	Journal of Advanced Concrete Technology	2017	1347-3913
Influence of nutrient components of media on structural properties of concrete during biocementation	Sumit Joshi, Shweta Goyal, Abhijit Mukherjee, M.S. Reddy	CED	Construction and Building Materials	2017	0950-0618
Efficiency of Migratory-Type Organic Corrosion Inhibitors in Carbonated Environment	Kulwinder Kaur, Shweta Goyal, Bishwajit Bhattacharjee, Maneek Kumar	CED	Journal of Advanced Concrete Technology	2016	1347-3913
Corrosion induced damage detection of in-service RC slabs using acoustic emission technique	Patel S., Karkare B., Goyal S	CED	Construction and Building Materials	2017	0950-0618
Pultruded FRP planks as stay-in-place formwork for concrete structures	Reema Goyal, Abhijit Mukherjee and Shweta Goyal	CED	Current Science	2017	0011-3891
Influence of single and dual particle reinforcement on the corrosion behaviour of aluminium alloy based composites	Yogesh K Singla, Rahul Chhibber, Avdesh, Shweta Goyal, Vipin Sharma	CED	Journal of Materials: Design and Applications	2016	1464-4207

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Bond between FRP formworks and concrete-effect of surface treatments and adhesives	Reema Goyal, Abhijit Mukherjee and Shweta Goyal	CED	Steel and Composite Structures	2016	2562499
An investigation on bond between FRP stay-in-place formwork and concrete	Reema Goyal, Abhijit Mukherjee and Shweta Goyal	CED	Construction and Building Materials	2016	0950-0618
Utilization of carbon dioxide as an alternative to urea in biocementation,	Gurvinder Kaur, Navdeep Kaur , Shweta Goyal, Abhijit Mukherjee, M. S. Reddy	CED	Construction and Building Materials	2016	0950-0618
Microbial healing of cracks in concrete: a review, Journal of industrial Microbiology and Biotechnology	Sumit Joshi, Shweta Goyal, Abhijit Mukherjee, M.S. Reddy	CED	Journal of industrial Microbiology and Biotechnology	2017	1367-5435
Bond between FRP formwork and concrete- effect of surface treatment and adhesives	Reema Goyal, Abhijit Mukherjee, Shweta Goyal	CED	Steel and composite structures- an international journal 20: 671-692	2016	1229-9367
An investigation on bond between FRP stay-in-place formwork and concrete.	Reema Goyal, Abhijit Mukherjee, Shweta Goyal	CED	Construction and Building Materials	2016	0950-0618
Pultruded fibre reinforced polymer planks as stay-in-place formwork for concrete structures	Reema Goyal, Abhijit Mukherjee, Shweta Goyal	CED	Current Science, Vol 113, No. 2	2017	0011-3891
Numerical study of confinement in short concrete filled steel tube columns	PK Gupta, Heaven Singh	CED	Latin American Journal of Solids and Structures 11 (8), 1445-1462	2014	1679-7817
Effect of tube area on the behavior of concrete filled tubular columns	PK Gupta, VK Verma, ZA Khaudhair, H Singh	CED	Computers and Concrete 15 (2), 141-166	2015	1598-8198
Numerical Modeling of Rectangular Concrete-Filled Steel Tubular Short Columns	Heaven Singh, PK Gupta	CED	International Journal of Scientific and Engineering Research 4 (5), 170-173	2013	2229-5518
A Study on Different Techniques of Restoration of Fire Damaged Reinforced Concrete Flexural Members	Danie Roy, A.B., Sharma, U.K., & P. Bhargava	CED	Journal of Structural Fire Engineering	2017	2040-2317
Confinement strengthening of heat-damaged reinforced concrete columns	Danie Roy, A.B., Sharma, U.K., & P. Bhargava	CED	Magazine of Concrete Research	2016	0024-9831
Bond Properties of GFRP Laminate with Heat-Damaged Concrete	Danie Roy, A.B., Sharma, U.K., & P. Bhargava	CED	Journal of Composites for Construction	2016	1943-5614
Influence of various exposure condition on the structural performance of andwich wall panels	Vishnu, Aditi Chauhan, Danie Roy, A.B., and Sharma U.K	CED	Indian Concrete Journal	2017	0019-4565
Monitoring invisible corrosion in concrete using a combination of wave propagation techniques	Ashutosh Sharma, Shruti Sharma, Sandeep Sharma, Abhijit Mukherjee	CED	Cement and Concrete Composites, July 2018	2018	0958-9465

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Monitoring early age setting of silica fume concrete using wave propagation techniques	Nikita Bhalla, Sandeep Sharma, Shruti Sharma, Rafat Siddique	CED	Construction And Building Materials, Volume 162, Pages 802–815	2018	0950-0618
Investigation on deterioration in corroding reinforced concrete beams using active and passive techniques	Ashutosh Sharma, Shruti Sharma, Sandeep Sharma, Abhijit Mukherjee	CED	Construction And Building Materials, Volume 161, Feb 2018, Pages 555-569	2018	0950-0618
Role of curing conditions and silanization of glass fibres on Carbon nanotubes (CNTs) reinforced glass fiber glass epoxy composites	Mohit Garg, Shruti Sharma, and Rajeev Mehta	CED	Composite Interfaces, 24(2), 2017, 233-253.	2017	0927-6440
Behaviour of bolted connections in concrete-filled steel tubular beam-column joints.	Beena Kumari , Shruti Sharma and Naveen Kwatra	CED	Steel and Composite Structures, 25(4), Nov 2017, 443-456.	2017	1229-9367
Behavior of FRP strengthened RC brick in-filled frames subjected to cyclic loading.	Balvir Singh, R. Siva Chidambaram, Shruti Sharma and Naveen Kwatra	CED	Structural Engineering and Mechanics, 64(5), Dec 2017, Pages 557-566.	2017	1598-6217
Effect of Hygrothermal Aging on GFRP Composites in Marine Environment	Mohit Garg, Shruti Sharma, Sandeep Sharma, Rajeev Mehta	CED	Steel and Composite Structures, 25 (1), Sept. 2017, 93-104.	2017	1229-9367
Investigations on highly sensitive fiber Bragg gratings with different grating shapes for far field applications.	Beena Kumari , Shruti Sharma , Sandeep Sharma and Naveen Kwatra	CED	Smart Structures and Systems, 19(4), 2017, 371-382.	2017	1738-1991
Monitoring degradation in concrete filled steel tubular sections using guided waves	Mohit Garg, Shruti Sharma, Sandeep Sharma and Rajeev Mehta	CED	Smart Structures and Systems, 17 (5), 795-817.	2016	1738-1991
Carbon nanotube reinforced glass fibre epoxy composite laminates exposed to hygrothermal conditioning	Mohit Garg, Shruti Sharma, and Rajeev Mehta	CED	Journal of Materials Science, Volume 51(8), 8562–8578	2016	1573-4803
Processing of Functionalized and Pristine Carbon Nanotube Epoxy Composites with Silane Treated Glass Fiber	Mohit Garg, Shruti Sharma, Rajeev Mehta	CED	Composites: Part A , 76, pp. 92–101	2015	1359-835X
Monitoring freshly poured concrete using ultrasonic waves guided through reinforcing bars	Sharma, S., Mukherjee, A	CED	Cement and Concrete Composites, 55, pp. 337-347	2015	0008-8846
Ultrasonic guided waves for monitoring the setting process of concrete with varying workabilities	Sharma, S., Mukherjee, A	CED	Construction and Building Materials , 72, pp. 358-366	2014	0950-0618
Comparison of Machine Learning Techniques for the Prediction of Compressive Strength of Concrete	Palika Chopra, Rajendra Kumar Sharma, Maneek Kumar and Tanuj Chopra	CED	Advances in Civil Engineering, Volume 2018, Article 5481705	2018	1687-8094

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Development of Pavement Distress Deterioration Prediction Models for Urban Road Network using Genetic Programming	Tanuj Chopra, Manoranjan Parida, Naveen Kwatra and Palika Chopra	CED	Advances in Civil Engineering, Volume 2018, Article 1253108	2018	1687-8094
Analysis of backward facing step with transition	Ratha, D. and Sarkar, A.	CED	Frontiers of Structural and Civil Engineering	2015	2095-2449
A digraph permanent approach to evaluation and analysis of integrated watershed management system	Ratha, D. and Agrawal, V.P.	CED	Journal of Hydrology	2015	0022-1694
Structural modeling and analysis of water resources development and management system	Ratha, D. and Agrawal, V.P.	CED	Water Resources Management	2014	1573-1650
Flow around submerged structures subjected to shallow submergence over plane be	Sarkar, A. and Ratha, D.	CED	Journal of fluid and structures	2014	0889-9746
Physico-chemical and leaching characteristics of fly and bottom ash	Mani Kanwar Singh, M.K., Kumar, S. and Ratha, D.	CED	Energy sources, Part A: Recovery, Utilization and Environmental effects	2016	1556-7230
Influence of particle size distribution and temperature on rheological behavior of coal slurry	Mani Kanwar Singh, M.K., Kumar, S. and Ratha, D.	CED	International Journal of Coal Preparation and Utilization	2016	1939-2699
Design of slurry transportation pipeline for flow of multi-particulate coal ash suspension	Mani Kanwar Singh, M.K., Kumar, S. and Ratha, D. , Harkirat Kaur	CED	International Journal of Hydrogen Energy	2017	0360-3199
Assessment of runoff potential of Tehri sub-watersheds based on geomorphology and runoff index	Kumar Arunish, Babbar Richa and Ratha Dwarikanath	CED	Disaster Advances, Vol. 10 (9)	2017	974262
Effect of fibre topology on hygro-mechanical response of polymer matrix composites	Deepak Jain, Abhijit Mukherjee & Naveen Kwatra	CED	International Journal of Heat and Mass Transfer, ELSEVIER	2015	0017-9310
Numerical modelling of moisture diffusion in FRP with clustered microstructures	Deepak Jain, Abhijit Mukherjee & Naveen Kwatra	CED	Applied Mathematical Modelling, ELSEVIER	2015	0307-904X
Performance investigation of semiconductor optical amplifier and raman amplifier as an optical sensors Optoelectronics and Advanced Material	Gurpreet Kaur, R. S. Kaler, & Naveen Kwatra	CED	OPTOELECTRONICS AND ADVANCED MATERIALS- RAPID COMMUNICATIONS	2015	2065-3824
Topological disorder of microstructure in fiber-reinforced polymer composites: Diffusion response	Deepak Jain, Abhijit Mukherjee & Naveen Kwatra	CED	Journal of Reinforced Plastics and Composites	2014	0731-6844
Application of artificial neural networks for dynamic analysis of building frames	Shardul G. Joshi , Shreenivas N. Londhe and Naveen Kwatra	CED	Computers and Concrete, Vol. 13, No. 6 (2014) 765-780	2014	1598-818X

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Local micromechanics of moisture diffusion in fiber reinforced polymer composites	Deepak Jain, Abhijit Mukherjee & Naveen Kwatra	CED	International Journal of Heat and Mass Transfer 76 (2014) 199–209	2014	0017-9310
Determination of natural periods of vibration using genetic programming	Shardul G. Joshi , Shreenivas N. Londhe and Naveen Kwatra	CED	Earthquakes and Structures, Vol. 6, No. 2 (2014)	2014	2092-7622
Stochastic erosion of composite banks in alluvial river bends	Tapas Karmaker and Subashisa Dutta	CED	Hydrological Processes	2015	0885-6087
Riverbank soil erodibility parameters estimation using Genetic Algorithm	Tapas Karmaker and Ranjan Das	CED	Sadhana - Academy Proceedings in Engineering Sciences	2017	2562499
Study of Channel instability in the Braided Brahmaputra River Using Satellite Imagery	Tapas Karamker, Hemanta Medhi, and Subashisa Dutta	CED	Current Science	2017	0011-3891
Prediction of Short-Term Morphological Change in Large Braided River using 2D Numerical Model	Tapas Karmaker and Subashisa Dutta	CED	Journal of Hydraulic Engineering (ASCE)	2015	1943-7900
Use of Different Form of Waste Plastic in Concrete- A Review	Sharma, R., Bansal, P. P	CED	Journal of Cleaner Production	2015	0959-6526
Retrofitting of RC Girders using Pre-stressed CFRP Sheets	Bansal, P.P., Sharma, R., M, Ankur	CED	Journal of Steel and Composite Structures	2016	1229-9367
Monitoring early-age setting of silica fume concrete using wave propagation techniques	Bhalla, N. Sharma, S., Sharma, S., and Siddique, R.,	CED	Construction and Building Materials	2018	0950-0618
Durability Properties of Self-Compacting Concrete Containing Metakaolin and Rice Husk Ash	Gill, A.S., and Siddique, R.,	CED	Construction and Building Materials	2018	0950-0618
Influence of Rice Husk Ash (RHA) on the Properties of Self-Compacting Concrete- A Review	Sandhu, R.K., and Siddique, R.,	CED	Construction and Building Materials	2017	0950-0618
Properties of Low-Calcium Fly Ash Based Geopolymers Concrete Incorporating OPC as Partial Replacement of Fly Ash	Mehta, A., and Siddique, R.,	CED	Construction and Building Materials	2017	0950-0618
Influence of various parameters on strength and absorption properties of fly ash based geopolymer concrete designed by Taguchi method	Mehta, A., Siddique, R., Singh, B., Aggoun, S., Lagod, G., and Barnat-Hunek, D.,	CED	Construction and Building Materials	2017	0950-0618
Sulfuric Acid Resistance of Fly Ash Based Geopolymer Concrete	Mehta, A., and Siddique, R	CED	Construction and Building Materials	2017	0950-0618
Model for Mix Design of Brick Aggregate Concrete Based On Neural Network Modeling	Šipoš, T.A., Miličević, I., and Siddique, R.,	CED	Construction and Building Materials	2017	0950-0618

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Effect of Bacteria on Strength, Permeation Characteristics and Micro-Structure of Silica Fume Concrete	Siddique, R., Jameel, A., Singh, M., Barnat-Hunek, D., Kunal, Ait-Mokhtar, K., Belarbi, R., and Rajor, A.,	CED	Construction and Building Materials	2017	0950-0618
Properties of hydrophobised lightweight mortars with expanded cork	Barnat-Hunek, D., Siddique, R., Lagod, G.	CED	Construction and Building Materials	2017	0950-0618
The Use of Zeolite, Lightweight Aggregate and Boiler Slag in Restoration Renders	Barnat-Hunek, D., Siddique, R., Klimek, B., and Franus, M.	CED	Construction and Building Materials	2017	0950-0618
Strength, Permeability and Micro-Structural Characteristics of Low-Calcium Fly Ash based Geopolymers	Mehta, A., and Siddique, R.,	CED	Construction and Building Materials	2017	0950-0618
Effect of Iron Slag As Partial Replacement of Fine Aggregates on the Durability Characteristics of Self-Compacting Concrete	Singh, G., and Siddique, R.,	CED	Construction and Building Materials	2016	0950-0618
Strength Properties and Micro-Structural Analysis of Self-Compacting Concrete made with Iron Slag as Partial Replacement of Fine Aggregates	Singh, G., and Siddique, R.,	CED	Construction and Building Materials	2016	0950-0618
An Overview of Geopolymers Derived From Industrial By-Products	Mehta, A., and Siddique, R.,	CED	Construction and Building Materials	2016	0950-0618
Characterization of Lightweight Mortars Containing Wood Processing By-products Waste	Corinaldesi, V., Mazzoli, A., and Siddique, R.,	CED	Construction and Building Materials	2016	0950-0618
Properties of Bacterial Rice Husk Ash Concrete	Siddique, R., Singh, K., Kunal, Singh, M., Corinaldesi, V., Rajor, A.,	CED	Construction and Building Materials	2016	0950-0618
Bacterial Treatment of Alkaline Cement Kiln Dust Using <i>Bacillus halodurans</i> strain KG	Kunal, Rajor, A., Siddique, R.,	CED	Brazilian Journal of Microbiology	2016	1517-8382
Effect of Coal Bottom ash as Partial Replacement of Sand on Workability and Strength Properties of Concrete	Singh, M., and Siddique, R	CED	Journal of Cleaner Production	2016	0959-6526
Strength and Permeation Properties of Self-Compacting Concrete Containing Fly ash and Hooked Steel Fibres	Siddique, R., Kaur, G., and Kunal	CED	Construction and Building Materials	2016	0950-0618
Recent Advances in Understanding the Role of Supplementary Cementitious Materials in Concrete	Juenger, M.C.G., and Siddique, R.,	CED	Cement and Concrete Research	2015	0008-8846

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Experimental Research of Concrete Floor Blocks with Crushed Bricks and Tiles Aggregate	Miličević, I, Bjegović, D., and Siddique, R.,	CED	Construction and Building Materials	2015	0950-0618
Comparative Investigation on the Influence of Spent Foundry Sand as Partial Replacement of Fine Aggregates on the Properties of Two Grades of Concrete	Siddique, R., Singh, G., Belarbi, R., Ait-Mokhtar, K., and Kunal	CED	Construction and Building Materials	2015	0950-0618
Strength, Permeability and Microstructure of Self-Compacting Concrete Containing Rice Husk Ash	Chopra, D., Siddique, R., and Kunal	CED	Biosystems Engineering	2015	1537-5110
Compressive strength, drying shrinkage and chemical resistance of concrete incorporating coal bottom ash as partial or total replacement of sand	Singh, M., and Siddique, R.,	CED	Construction and Building Materials	2014	0950-0618
Strength and Microstructure Analysis of Bacterial Treated Cement Kiln Dust Mortar	Kunal, Siddique, R., and Rajor, A.,	CED	Construction and Building Materials	2014	0950-0618
Micro-structural and metal leachate analysis of concrete made with fungal treated waste foundry sand	Kaur, G., Siddique, R. and Rajor A.	CED	Construction and Building Materials	2013	0950-0618
Permeation properties of concrete made with fly ash and silica fume: Effect of ureolytic bacteria	Chahal, N., Siddique, R.	CED	Construction and Building Materials	2013	0950-0618
Microstructure and properties of concrete using bottom ash and waste foundry sand as partial replacement of fine aggregates	Agarwal, Y., Siddique, R.,	CED	Construction and Building Materials	2014	0950-0618
Influence of Bacterial Treated Cement Kiln Dust on the Properties of Concrete	Kunal, Siddique, R., and Rajor, A	CED	Construction and Building Materials	2014	0950-0618
Strength Properties and Micro-Structural Properties of Concrete Containing Coal Bottom Ash as Partial Replacement of Fine Aggregate	Singh, M., and Siddique, R	CED	Construction and Building Materials	2014	0950-0618
Utilization of Industrial by-products in concrete	Siddique, R.,	CED	Procedia Engineering	2014	1877-7058
Effect of Carbon Nano Tubes on Properties of Mortar,” Construction and Building Materials	Siddique, R., and Mehta, A	CED	Construction and Building Materials	2014	0950-0618

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Compressive strength, water absorption, sorptivity, abrasion resistance and permeability of self-compacting concrete containing coal bottom ash	Siddique, R.,	CED	Construction and Building Materials	2013	0950-0618
Strengthening of RCC Beams in Shear by Using SBR Polymer-Modified Ferrocement Jacketing Technique	Rajinder Ghai, Prem Pal Bansal, and Maneek Kumar	CED	Advances in Civil Engineering, Vol. 2018, Feb 2018, pp 1-16	2018	1687-8094
Retrofitting of Exterior RC Beam-Column Joints Using Ferrocement Jackets	Prem Pal Bansal, Maneek Kumar, and Manzoor Ahmed Dar	CED	Earthquakes and Structures, Vol. 10 (2), Feb. 2016, pp 313-328	2018	2092-7622
Experimental studies on the strength and ductility of ferrocement jacketed RC beam-column joints	Varinder Singh, Prem Pal Bansal, and Maneek Kumar	CED	International Journal of Civil And Structural Engineering, Vol 5(3), 2015, pp 199-205	2015	0976 - 4399
Finite Element Modelling of CFRP Retrofitted RC Beam-Column Joints	Varinder Singh, Prem Pal Bansal, Maneek Kumar and S.K.Kaushik	CED	International Journal on Emerging Technologies, Vol 5(2), September 2014, pp 31-39	2014	2249-3255
Mechanical and Durability Properties of Fluoropolymer modified cement mortar	Prem Pal Bansal, Ramandeep Sidhu	CED	Structural Engineering and Mechanics, An International Journal, Vol. 63, No. 3, 2017, 317-327	2017	1598-6217
Mechanical properties of Styrene-Butadiene-Rubber latex (SBR) and Vinyl-Acetate-Ethylene (VAE) polymer modified ferrocement	Rajinder Ghai, Prem Pal Bansal, and Maneek Kumar	CED	Journal of Polymer Materials – An International Journal, Vol. 33 (1), 2016, 111-126	2016	0973-8622
Effect of wire Mesh Orientation on Strength of Exterior RC Beam-Column Joints Retrofitted Using Ferrocement Jackets	Varinder Singh, Prem Pal Bansal, Maneek Kumar and S.K.Kaushik	CED	International Journal on Emerging Technologies, Vol 5(2), February 2014, pp 212-219	2014	2249-3255
Experimental studies on strength and ductility of CFRP jacketed reinforced concrete beam-column joints	Varinder Singh, Prem Pal Bansal, Maneek Kumar and S.K.Kaushik	CED	Construction and Building Materials, Vol. 55, February 2014, pp 194-201	2014	0950-0618
On the evaluation of multiple failure probability curves in reliability analysis with multiple performance functions	Bansal, S. and S.H. Cheung	CED	Reliability Engineering & System Safety, 2017.	2017	0951-8320
A new stochastic simulation algorithm for updating robust reliability of linear structural dynamic systems subjected to future Gaussian excitations	Bansal, S. and S.H. Cheung	CED	Comput. Methods Appl. Mech. Engrg.	2017	0045-7825
A new Gibbs sampling based algorithm for Bayesian model updating with incomplete complex modal data	Cheung, S.H. and S. Bansal	CED	Mechanical Systems and Signal Processing, 2017.	2017	0888-3270

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CFM-PREFIXSPAN: A Pattern Growth Algorithm Incorporating Compactness And Monetary	Bhawna Mallick , Deepak Garg and PS Grover	CSED	International Journal of Innovative computing	2012	ISSN: 2180-4370
Publish/subscribe based information dissemination over VANET utilizing DHT	Tulika Pandey, Deepak Garg, Manoj Madhav Gore	CSED	Frontiers of Computer Science	2012	ISSN: 2095-2236
Formal QoS Policy based Grid Resource Provisioning Framework	Rajni, Chana Inderveer	CSED	Journal of Grid Computing	2012	ISSN: 1572-9184
Ant Colony algorithms in MANETs: A Review	Gurpreet Singh, Neeraj Kumar, Anil Kumar Verma	CSED	Journal of network and computer applications	2012	ISSN: 1084-8045
Punjabi to UNL enconversion system	Parteek Kumar, R.K. Sharma	CSED	Sadhana, Academy Proceedings in Engineering Sciences, Vol. 37	2012	ISSN: 0973-7677
Progress in gene prediction: Principles and challenges	Srabanti Maji, Deepak Garg	CSED	Current Bioinformatics	2013	ISSN: 2212-392X
Progressive CFM-Miner: An Algorithm to Mine CFM- Sequential Patterns from A Progressive Database	Bhawna Mallick Deepak Garg P S Grover	CSED	International Journal of Computational Intelligence Systems	2013	ISSN: 1875-6883
Incremental Mining of Sequential Patterns: Progress and Challenges	Bhawna Mallick Deepak Garg, PS Grover	CSED	Intelligent Data Analysis- an International Journal	2013	ISSN 1571-4128
Hidden markov model for splicing junction sites identification in DNA sequences	Srabanti Maji and Deepak Garg	CSED	Current Bioinformatics	2013	ISSN: 2212-392X
Improvement in Rebalanced CRT RSA	Seema Verma, Deepak Garg	CSED	International Arab Journal of Information Technology	2013	ISSN: 16833198
Anticipatory Bound Selection Procedure (ABSP) for Vertex K-center Problem	Rattan Rana, Deepak Garg	CSED	International Arab Journal of Information Technology IAJIT	2013	ISSN: 16833198
Constraint-Based Sequential Pattern Mining: A pattern growth algorithm incorporating compactness, length and monetary	Bhawna Mallick, Deepak Garg, PS Grover	CSED	International Arab Journal of Information Technology	2013	ISSN: 16833198
Knowledge sharing for stimulating learning environment in institutions of higher technical education	Parul Dharmani, Ravi Kiran, Anil K Verma	CSED	Technics Technology Education Management	2013	ISSN: 1986-809X
QoS based Resource Provisioning and Scheduling in Grids	Aron R., Chana I.	CSED	Journal of Supercomputing	2013	ISSN: 1573-0484
Bacterial Foraging based Hyper-heuristic for Resource Scheduling in Grid Computing	Rajni, Chana Inderveer	CSED	Future Generation Computer Systems	2013	ISSN: 0167-739X
A Systematic Review of A Systematic Review on Clustering and Routing Techniques based upon LEACH Protocol for Wireless Sensor Networks	Sudhanshu Tyagi, Neeraj Kumar	CSED	Journal of Network and Computer Applications	2013	ISSN: 1084-8045
Load Balancing and Adaptive Scheduling for Data Intensive Prioritized Traffic in Wireless Mesh Networks	Neeraj Kumar, Naveen Chilamkurti, John Hyuk Park, Doo-Soon Park	CSED	International Journal of Ad hoc and Ubiquitous Computing	2013	ISSN: 17438233
Predictors of User Satisfaction in TEIs	Shivani Goel, Ravi Kiran, Deepak Garg	CSED	Information- An Interdisciplinary Journal	2013	ISSN 1344-8994

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Punjabi DeConverter for generating Punjabi from Universal Networking Language	Parteek Kumar, R.K. Sharma	CSED	Journal of Zhejiang University SCIENCE C	2013	ISSN:1869-196X
A Survey of Phishing Email Filtering Techniques	Almomani, A., Gupta, B. B., Atawneh, S., Meulenberg, A., & Almomani, E	CSED	A Survey of Phishing Email Filtering Techniques	2013	ISSN: 1553-877X
Automatic Attack Signature Generation Systems: A Review	Sanmeet Kaur, Maninder Singh	CSED	IEEE Security and Privacy	2013	ISSN: 1540-7993
Load balancing and adaptive scheduling for data intensive prioritised traffic in multi-radio multi-channel wireless mesh networks	N. Kumar, N.Chilamkurti, J.H. Park, D.S. Park	CSED	International Journal of Ad hoc and Ubiquitous Computing	2013	ISSN: 1743-8233
A systematic review on clustering and routing techniques based upon LEACH protocol for wireless sensor networks	S.Tyagi, N. Kumar	CSED	J. Network and Computer Applications	2013	ISSN: 1084-8045
SHAPE- an Approach for Self-Healing and Self-Protection in Complex Distributed Networks	Inderpreet Chopra, Maninder Singh	CSED	The Journal of Supercomputing	2014	ISSN: 0920-8542
A Survey on Zero-Day Polymorphic Worm Detection Techniques	Ratinder Kaur, Maninder Singh	CSED	IEEE Communications Surveys & Tutorials	2014	ISSN: 1553-877X
A Novel Algorithm for the Conversion of Parallel Regular Expressions to Non-deterministic Finite Automata	Ajay Kumar, Anil Kumar Verma	CSED	Appl. Math. Inf. Sci.	2014	ISSN: 2373-8952
Job Migration with Fault Tolerance and QoS Scheduling using Hash table Functionality in Social Grid Computing	Neeraj Kumar Rathore and Inderveer Chana	CSED	Journal of Intelligent & Fuzzy Systems	2014	ISSN: 1875-8967
Cloud based intelligent system for delivering health care as a service	Kaur P.D., Chana I	CSED	Computer Methods and Programs in Biomedicine	2014	ISSN: 0169-2607
A resource elasticity framework for QoS-aware execution of cloud applications	Pankaj Deep Kaur, Inderveer Chana	CSED	FGCS	2014	ISSN: 0167-739X
Cryptanalysis and improvement of a certificateless signcryption scheme without bilinear pairing	W. Shi, N. Kumar, P.Gong, Z. Zhang	CSED	Frontiers of Computer Science	2014	ISSN: 2095-2236
A Novel Hierarchical Technique for Offline Handwritten Gurmukhi Character Recognition	Munish Kumar; M K Jindal; R K Sharma	CSED	National Academy Science Letters	2014	ISSN: 2250-1754
A Novel Feature Extraction Technique for Offline Handwritten Gurmukhi Character Recognition	Munish Kumar; M K Jindal; R K Sharma	CSED	IETE Journal of Research	2014	ISSN: 0377-2063
Efficient Feature Extraction Techniques for Offline Handwritten Gurmukhi Character Recognition	Munish Kumar; M K Jindal; R K Sharma	CSED	National Academy Science Letters	2014	ISSN: 2250-1754
An empirical evaluation of a three-tier conduit framework for multifaceted test case classification and selection using fuzzy-antcolony optimisation approach	Manoj Kumar, Arun Sharma, Rajesh Kumar	CSED	Software: Practice And Experience	2014	ISSN:1097-024X

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Structured P2P Overlay of Mobile Brokers for Realizing Publish/Subscribe Communication in VANET	Tulika Pandey, Deepak Garg, MM Gore	CSED	Scientific World Journal	2014	ISSN: 1537-744X
Hybrid Approach using SVM and MM2 in Splice Site Junction Identification	Srabanti Maji, Deepak Garg	CSED	Current Bioinformatics	2014	ISSN: 2212-392X
Load Balancing and Job Migration Algorithm : Survey of Recent Trends	Neeraj Kumar Rathore and Inderveer Chana	CSED	Wireless Personal Communication	2014	ISSN: 1572-834X
A Novel Strategy for Automatic Test Data Generation Strategy using Soft Computing Technique	Priyanka Chawla, Inderveer Chana, Ajay Rana	CSED	Frontiers of Computer Science	2014	ISSN: 2095-2236
Power Consumption Based Simulation Model for Mobile Ad-hoc Network	V.P.Singh and Krishan Kumar	CSED	J. Wireless Personal communication	2014	ISSN: 0929-6212
Quantum Neural Network based Machine Translator for Hindi to English	Ravi Narayan, V P Singh and Snehashish Chakraverty	CSED	The Scientific World Journal	2014	ISSN: 1537-744X
Coloring Networks for Attacker Identification and Response	Ashok Singh Sairam, Sangita Roy, Rishikesh Sahay	CSED	Security and Communication Networks, Wiley, vol. 8, issue. 5	2014	ISSN:1939-0122
QoS-Aware Data Dissemination for Dense Urban Regions in Vehicular Ad Hoc Networks	Amit Dua, Neeraj Kumar, Seema Bawa	CSED	Mobile Network and Applications	2015	ISSN: 1572-8153
Data Mining Based Integrated Network Traffic Visualization Framework for Threat Detection	Amit Kumar Bhardwaj, Maninder Singh	CSED	Neural Computing and Applications	2015	ISSN: 1433-3058
Intelligent text classification system based on self-administered ontology	Manoj Manuja, Deepak Garg	CSED	Turkish Journal Of Electrical Engineering & Computer Sciences	2015	ISSN: 1300-0632
A secure temporal-credential-based mutual authentication and key agreement scheme with pseudo identity for wireless sensor networks	Debiao He, Neeraj Kumar, Naveen K. Chilamkurti	CSED	Information Sciences	2015	ISSN: 0020-0255
A systematic review on heterogeneous routing protocols for wireless sensor network	Sudeep Tanwar, Neeraj Kumar, Joel J. P. C. Rodrigues	CSED	Network and Computer Applications	2015	ISSN: 2250-1754
Robust anonymous authentication protocol for health-care applications using wireless medical sensor networks	Debiao He, Neeraj Kumar, Jianhua Chen, Cheng-Chi Lee, Naveen K. Chilamkurti, Seng-Soo Yeo	CSED	Multimedia Systems	2015	ISSN: 1432-1882
An Intelligent Context-aware Congestion Resolution Protocol for Data Dissemination in Vehicular Ad Hoc Networks	Amit Dua, Neeraj Kumar, Seema Bawa, Joel J. P. C. Rodrigues	CSED	Mobile Networks and Applications	2015	ISSN: 1572-8153
QRSF: QoS-aware resource scheduling framework in cloud computing	Singh, Sukhpal, and Inderveer Chana	CSED	The Journal of Supercomputing	2015	ISSN: 0920-8542
Intelligent failure prediction models for scientific workflows	Bala Anju, and Inderveer Chana	CSED	Expert Systems with Applications 42	2015	ISSN: 0957-4174
Autonomic Fault tolerant Scheduling for Scientific Workflows in Cloud Computing	Bala Anju, and Inderveer Chana	CSED	Concurrent Engineering: Research and Applications	2015	ISSN: 1063293

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A strongly secure pairing-free certificateless authenticated key agreement protocol suitable for smart media and mobile environments	Hang Tu, Neeraj Kumar, Jongsung Kim, Jungtaek Seo	CSED	Multimedia Tools Appl	2015	ISSN: 1573-7721
On the security of a certificateless online/offline signcryption for Internet of Things	Wenbo Shi, Neeraj Kumar, Peng Gong, Naveen Chilamkurti, Hangbae Chang	CSED	Peer-to-Peer Networking and Applications	2015	ISSN: 1936-6450
An improved authentication protocol for session initiation protocol using smart card	Hang Tu, Neeraj Kumar, Naveen Chilamkurti, Seungmin Rho	CSED	Peer-to-Peer Networking and Applications 8	2015	ISSN: 1936-6450
Secure pseudonym-based near field communication protocol for the consumer internet of things	Debiao He, Neeraj Kumar, Jong-Hyouk Lee	CSED	IEEE Trans. Consumer Electronics 61	2015	ISSN: 00983063
Critical applications in vehicular ad hoc/sensor networks	Neeraj Kumar, Al-Sakib Khan Pathan, Elias Procópio Duarte Jr., Riaz Ahmed Shaikh	CSED	Telecommunication system, 56-62, 2015	2015	ISSN: 1572-9451
Collaborative-Learning-Automata-Based Channel Assignment With Topology Preservation for Wireless Mesh Networks Under QoS Constraints	Neeraj Kumar, Jong-Hyouk Lee	CSED	IEEE Systems Journal 9	2015	ISSN: 1932-8184
Managing Data in healthcare information systems: many models, one solution	Karamjit Kaur, Rinkle Rani	CSED	IEEE Computer	2015	ISSN: 1558-0814
An Efficient Certificateless Aggregate Signature Scheme for Vehicular Ad-Hoc Networks	Avleen Kaur, Shalini Batra	CSED	Discrete Mathematics & Theoretical Computer Science	2015	ISSN: 1365-8050
Protein structure prediction ($\text{RMSD} \leq 5 \text{ \AA}$) using machine learning models	Y Pathak, PS Rana, PK Singh and M Saraswat	CSED	Int. J. Data Mining and Bioinformatics	2015	ISSN: 1748-5673
Automatic Unsupervised Feature Selection Using Gravitational Search Algorithm	Vijay Kumar, Jitender Kumar Chhabra and Dinesh Kumar	CSED	IETE Journal of Research	2015	ISSN: 0377-2063
Quantitative Reduction in Communication Load for Energy Efficiency in WSN	Vandana Jindal, A.K. Verma, Seema Bawa	CSED	Wireless Personal Communications	2015	ISSN: 1572-834X
Peer Clouds: A P2P-Based Resource Discovery Mechanism for the Intercloud	Lohit Kapoor, Seema Bawa, Ankur Gupta	CSED	International Journal of Next-Generation Computing	2015	ISSN: 0976-5034
Q-aware: Quality of Service based Cloud Resource Provisioning	Sukhpal Singh and Inderveer Chana	CSED	Computers & Electrical Engineering Journal	2015	ISSN: 0045-7906
Relay node placement to heal partitioned wireless sensor networks	V Ranga, M Dave, AK Verma	CSED	Computers & Electrical Engineering 48	2015	ISSN: 0045-7906
A Novel Resource Reservation Scheme for Mobile PHEVs in V2G Environment using Game Theoretical Approach	Kuljeet Kaur, Amit Dua, Anish Jindal, Neeraj Kumar, Mukesh Singh, Alexy Vinel	CSED	IEEE Transactions on Vehicular Technology	2015	ISSN: 0018-9545
An intelligent clustering scheme for distributed intrusion detection in vehicular cloud computing	Neeraj Kumar, Jaskaran Preet Singh, Rasmeet S. Bali, Sudip Misra, Sana Ullah	CSED	Cluster Computing	2015	ISSN: 1573-7543
Cooperation strategies for vehicular delay-tolerant networks	Joao A. F. F. Dias, Joel J. P. C. Rodrigues, Neeraj Kumar, Kashif Saleem	CSED	IEEE Communications Magazine	2015	ISSN: 1089-7798

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Reliable multicast as a Bayesian coalition game for a non-stationary environment in vehicular ad hoc networks: a learning automata-based approach	Neeraj Kumar, Chun-Cheng Lin	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2015	ISSN: 1743-8233
Cognitive radio-based clustering for opportunistic shared spectrum access to enhance lifetime of wireless sensor network	Sudhanshu Tyagi, Sudeep Tanwar, Neeraj Kumar, Joel J.P.C. Rodrigues	CSED	Pervasive and Mobile Computing	2015	ISSN: 1617-4917
Efficient provably secure password-based explicit authenticated key agreement	Ou Ruan, Neeraj Kumar, Debiao He, Jong-Hyouk Lee	CSED	Pervasive and Mobile Computing	2015	ISSN 1574-1192
Collaborative Learning Automata-Based Routing for Rescue Operations in Dense Urban Regions Using Vehicular Sensor Networks	Neeraj Kumar, Sudip Misra, Mohammad S. Obaidat	CSED	IEEE Systems Journal	2015	ISSN: 1932-8184
QoS-Aware Hierarchical Web Caching Scheme for Online Video Streaming Applications in Internet-Based Vehicular Ad Hoc Networks	Neeraj Kumar, Sherali Zeadally, Joel J. P. C. Rodrigues	CSED	IEEE Transactions on Industrial Electronics	2015	ISSN: 0278-0046
Optimized clustering for data dissemination using stochastic coalition game in vehicular cyber-physical systems	Neeraj Kumar, Rasmeet Singh Bali, Rahat Iqbal, Naveen Chilamkurti, Seungmin Rho	CSED	The Journal of Supercomputing	2015	ISSN: 0920-8542
Cooperative Gateway Cache Invalidation Scheme for Internet-Based Vehicular Ad Hoc Networks	Rajeev Tiwari, Neeraj Kumar	CSED	Wireless Personal Communications	2015	ISSN: 1572-834X
A Smart Polyglot Solution for Big Data in Healthcare	Karamjit Kaur and Rinkle Rani	CSED	IEEE, IT Professional	2015	ISSN: 1520-9202
A Security Model based on Reputation and Collaboration through Route-Request in Mobile Ad Hoc Networks	Anjali Anand, Rinkle Rani, Himansu Aggarwal	CSED	Transactions on Internet and Information Systems	2015	ISSN 1976-7277
Parallel Fuzzy Regular Expression and its Conversion to Epsilon-Free Fuzzy Automaton	Sunita Garhwal and Ramjiwari	CSED	The Computer Journal bxv104	2015	ISSN 1460-2067
A systematic review of approaches for testing concurrent programs	Vinay Arora, Rajesh Bhatia, Maninder Singh	CSED	Concurrency and computation: practice and experience	2015	ISSN: 1532-0634
An Environmental Adaption Method with Real Parameter Encoding for Dynamic Environment	Ashish Tripathi, Nitin Saxena, K. K. Mishra and A. K. Misra	CSED	Journal of Intelligent & Fuzzy Systems,	2015	ISSN: 1875-8967
An effective use of adaptive combination of visual features to retrieve image semantics from a hierarchical image database	Shreelekha Pandey, Pritee Khanna, Haruo Yokota	CSED	Journal of Visual Communication and Image Representation	2015	ISSN: 1047-3203
Congestion-aware Fibonacci sequence based multipath load balancing routing protocol for MANETs	Mohd Naseem, Chiranjeev Kumar	CSED	Wireless personnel communication	2015	ISSN: 1572-834X
Queue based multiple path load balancing routing protocol for MANETs	Mohd Naseem, Chiranjeev Kumar	CSED	International Journal of Communication Systems	2015	ISSN: 1099-1131

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Position Based Routing Protocols in VANET: A Survey	Sushil Kumar, A K Verma	CSED	Journal of Supercomputing	2015	ISSN: 1573-0484
Impersonation Attack on CertificateLessKey Agreement Protocol	Suman Bala, Gaurav Sharma, Anil K. Verma	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2015	ISSN: 1743-8233
Cloud-based automatic test data generation framework	Priyanka Chawla, Inderveer Chana and Ajay Rana	CSED	Journal of Computer and System Sciences	2016	ISSN: 0022-0000
SOCCER: Self-Optimization of Energy-efficient Cloud Resources	Sukhpal Singh, Inderveer Chana, Maninder Singh and Rajkumar Buyya	CSED	Cluster Computing	2016	ISSN: 1573-7543
Comparison of HMM- and SVM-based stroke classifiers for Gurmukhi	Karun Verma, RK Sharma	CSED	Neural Computing and Applications	2016	ISSN: 1433-3058
Green Service Level Agreement (GSLA) Framework for Cloud Computing	Goyal, S. ; Bawa, S. ; Singh, B	CSED	Computing, Springer	2016	ISSN: 1436-5057
Comparative analysis of cloud data integrity auditing protocols	Neeru Garg, Seema Bawa	CSED	Journal of Network and Computer Applications	2016	ISSN: 1084-8045
Energy optimized resource scheduling algorithm for private cloud computing	S. Goyal, S. Bawa and B. Singh	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2016	ISSN: 1743-8233
Detecting And Containing Malicious Services In An Intercloud Environment	Lohit Kapoor, Seema Bawa, Ankur Gupta	CSED	Journal of Web Engineering	2016	ISSN: 1540-9589
Energy Efficiency Techniques in Cloud Computing- A Survey and Taxonomy	Tarandeep Kaur and Inderveer Chana	CSED	ACM Computing Surveys	2016	ISSN:0360-0300
EARTH- Energy-aware Autonomic Resource Scheduling in Cloud Computing	Sukhpal Singh and Inderveer Chana	CSED	Journal of Intelligent and Fuzzy System	2016	ISSN: 1875-8967
QoS-aware Autonomic Resource Management in Cloud Computing: A Systematic Review	Sukhpal Singh and Inderveer Chana	CSED	ACM Computing Surveys	2016	ISSN:0360-0300
Prediction-based proactive load balancing approach through VM migration	Anju Bala, Inderveer Chana	CSED	Engineering with Computers	2016	ISSN: 1435-5663
Energy-aware Virtual Machine Migration for Cloud Computing - A Firefly Optimization Approach	Nidhi Jain Kansal, Inderveer Chana	CSED	Journal of Grid Computing	2016	ISSN: 1572-9184
Energy aware scheduling of deadline-constrained tasks in cloud computing	Tarandeep Kaur and Inderveer Chana	CSED	Journal of Cluster Computing	2016	ISSN: 1386-7857
Teredo Tunneling Based Secure Transmission Between UAVs and Ground Ad Hoc Networks	Vishal Sharma, Rajesh Kumar	CSED	International Journal of Communication Systems	2016	ISSN: 1099-1131
Energy Efficient Data Dissemination in Multi-UAV Coordinated Wireless Sensor Networks	Vishal Sharma, Ilsun You, Rajesh Kumar	CSED	Mobile Information Systems	2016	ISSN: 1875-905X
UAV Assisted Capacity Enhancement In Heterogenous Networks	Vishal Sharma, Mehdi Bennis, Rajesh Kumar	CSED	IEEE Communications Letters	2016	ISSN: 1089-7798
Self-Healing Neural Model For Stabilization Against Network Failures Over Networked UAVs	Vishal Sharma, Rajesh Kumar, Prashant Singh	CSED	IEEE Communications Letters	2016	ISSN: 1089-7798

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
SERVmegh: framework for green cloud	Ashok Kumar, Anju Sharma, Rajesh Kumar	CSED	Concurrency and Computation	2016	ISSN: 1532-0634
Strategies For Replica Consistency In Data Grid – A Comprehensive Survey	Priyanka Vashisht, Anju Sharma, Rajesh Kumar	CSED	Concurrency and Computation: Practice and Experience	2016	ISSN: 1532-0634
PF-ID-2PAKA: Pairing Free Identity-based Two-Party Authenticated Key Agreement Protocol for Wireless Sensor Networks	Gaurav Sharma, Suman Bala, Anil K. Verma	CSED	Wireless Personal Communications	2016	ISSN: 1572-834X
A non-interactive certificateless two-party authenticated key agreement protocol for wireless sensor networks	Suman Bala, Anil K. Verma	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2016	ISSN:1743-8233
Energy Efficient Architecture for Intra and Inter Cluster Communication for Underwater Wireless Sensor Networks.	Goyal, Nitin, Mayank Dave, and Anil Kumar Verma	CSED	Wireless Personal Communications	2016	ISSN: 1572-834X
Node stability aware single node failure recovery approach for WSANS	V Ranga, M Dave, AK Verma	CSED	MJCS	2016	ISSN 0127-9084
Energy Efficient and Secure Multipoint Relay Selection in Mobile Ad hoc Networks	Anjali Anand, Rinkle Rani, Himansu Aggarwal	CSED	Transactions on Internet & Information Systems	2016	ISSN 1976-7277
A Multilingual Cross-omain Client Application Prototype for UNL-ization and NL-ization for NLP Applications.	Agarwal, Vaibhav, and Parteek Kumar	CSED	Digital Scholarship in the humanities	2016	ISSN: 2055-768X
Quantum neural network based machine translator for English to Hindi	Ravi Narayana, S. Chakraverty, V.P. Singh	CSED	Applied Soft Computing 38	2016	ISSN: 1568-4946
Fuzzy state Grammar and Fuzzy Deep Pushdown Automata	Nidhi Kalra, Ajay Kumar	CSED	Journal of Intelligent and Fuzzy Systems	2016	ISSN: 1875-8967
State Grammar and Deep Pushdown Automata for Biological Sequences of	Nidhi Kalra, Ajay Kumar	CSED	Current Bioinformatics	2016	ISSN: 2212-392X
An efficient scheme for automatic web pages categorization using the support vector machine	Vinod Kumar Bhalla, Neeraj Kumar	CSED	The New Review of Hypermedia and Multimedia	2016	ISSN: 17407842
A Recursive Algorithm for Generalized Constraint SCS Problem	Kaish Mangal and Ravinder Kumar	CSED	National Academy Science Letters	2016	ISSN: 2250-1754
Graph Coloring based Optimized Algorithm for Resource Utilization in Examination Scheduling	Sandeep Saharan and Ravinder Kumar	CSED	An International Journal Applied Mathematics & Information Sciences	2016	ISSN: 2325-0399
Conversion of fuzzy automata into fuzzy regular expressions using transitive closure	Sunita Garhwal and Ramjiwari	CSED	Jounal of Intelligent & Fuzzy Systems vol.30	2016	ISSN: 1875-8967
Predictive hierarchical human augmented map generation for itinerary perception	Baljeet Kaur and Jhilik Bhattacharaya	CSED	IET Electronic Letters, Vol 52	2016	ISSN: 1350-911X
An Automated Parameter Selection Approach for Simultaneous Clustering and Feature Selection	Vijay Kumar, Jitender Kumar Chhabra and Dinesh Kumar	CSED	Journal of Engineering Research,	2016	ISSN : 2307-1885
Protein structure prediction (RMSD $\leq 5\text{\AA}$) using machine learning models	Y Pathak, PS Rana, PK Singh and M Saraswat	CSED	International Journal of Data Mining and Bioinformatics	2016	ISSN: 1748-5673
Block based High Capacity Multilevel Image Steganography	Geeta Kasana, Kulbir Singh and Satvinder Singh Bhatia	CSED	Journal of Circuits, Systems and Computers, Vol. 25, No.8	2016	ISSN: 1793-6454

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Multi-Model Persistent Solution for Healthcare Big Data	Karamjit Kaur and Rinkle Rani	CSED	Journal of Medical Imaging and Health Informatics	2016	ISSN: 2156-7018
Prediction of Compressive Strength of Concrete Using Artificial Neural Network and Genetic Programming	Palika Chopra, R.K.Sharma, Dr. Maneek Kumar	CSED	Advances in Materials Science and Engineering	2016	ISSN: 1687-8442
A lightweight two-gateway based payment protocol ensuring accountability and unlinkable anonymity with dynamic identity	Venkatasamy Sureshkumar, R Anitha, N Rajamanickam, Ruhul Amin	CSED	Computers & Electrical Engineering	2016	ISSN: 0045-7906
Security analysis and design of an efficient ECC based two-factor password authentication scheme	Tanmoy Maitra, Mohammad S Obaidat, SK Islam, Debasis Giri, Ruhul Amin	CSED	Security and Communication Networks	2016	ISSN:1939-0122
Resource Provisioning and Scheduling in Clouds: QoS Perspective	Sukhpal Singh and Inderveer Chana	CSED	The Journal of Supercomputing	2016	ISSN: 0920-8542
A Survey on Resource Scheduling in Cloud Computing Issues and Challenges	Sukhpal Singh and Inderveer Chana	CSED	Journal of Grid Computing	2016	ISSN: 1572-9184
A Hybrid-Cascaded Framework for PET and SPECT Image Reconstruction	Shailendra Tiwari, Rajeev Srivastava	CSED	Journal of Medical Imaging & Health Informatics (JMIHI) Vol. 6	2016	ISSN: 2156-7018
A genetic algorithm based distance-aware routing protocol for wireless sensor networks	Tarunpreet Bhatia, Simmi Kansal Shivani Goel, A. K. Verma	CSED	Computers & Electrical Engineering	2016	ISSN: 0045-7906
Semantic code clone detection for Internet of Things applications using reaching definition and liveness analysis	Rajkumar Tekchandani, Rajesh Bhatia and Maninder Singh	CSED	The Journal of Supercomputing	2016	ISSN: 0920-8542
Prediction based proactive load balancing approach through VM migration.	AnjuBala and Inderveer Chana	CSED	Engineering with Computers	2016	ISSN: 1435-5663
“Novel Basis Matrix Creation and Preprocessing Algorithms for Friendly Progressive Visual Secret Sharing with Space-Efficient Shares”	Shivendra Shivani, Suneeta Agarwal	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2016	ISSN: 1573-7721
“VPVC: Verifiable Progressive Visual Cryptography”	Shivendra Shivani, Suneeta Agarwal	CSED	Pattern Analysis and Application	2016	ISSN: 1433-755X
“Self authenticating medical X-ray images for telemedicine applications,	Rajitha B, Shivendra Shivani, Suneeta Agarwal	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2016	ISSN: 1573-7721
Learning Automata-assisted Predictive Clustering approach for Vehicular Cyber-Physical System	Rasmeet S. Bali, Neeraj Kumar	CSED	<u>Computers & Electrical Engineering 52:</u>	2016	ISSN: 0045-7906
One-to-many authentication for access control in mobile pay-TV systems	Debiao He, Neeraj Kumar, Han Shen, Jong-Hyook Lee	CSED	SCIENCE CHINA Information Sciences 59(5):	2016	ISSN: 1869-1919
Vehicular delay-tolerant networks for smart grid data management using mobile edge computing	Neeraj Kumar, Sherali Zeadally, Joel J. P. C. Rodrigues	CSED	<u>IEEE Communications Magazine</u> 54(10):	2016	ISSN: 1089-7798
Secure clustering for efficient data dissemination in vehicular cyber-physical systems	Rasmeet S. Bali, Neeraj Kumar	CSED	Future Generation Comp. Syst	2016	ISSN: 0167-739X

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Wireless and Mobile Technologies for the Internet of Things	Wireless and Mobile Technologies for the Internet of Things	CSED	Mobile Information Systems	2016	ISSN: 1875-905X
An intelligent RFID-enabled authentication scheme for healthcare applications in vehicular mobile cloud	Neeraj Kumar, Kuljeet Kaur, Subhas C. Misra, Rahat Iqbal	CSED	<u>Peer-to-Peer Networking and Applications 9(5):</u>	2016	ISSN: 1936-6450
A novel covert channel detection method in cloud based on XSRM and improved event association algorithm	Lina Wang, Weijie Liu, Neeraj Kumar, Debiao He, Cheng Tan, Debin Gao	CSED	<u>Security and Communication Networks 9(16):</u>	2016	ISSN:1939-0122
A secure energy-efficient access control scheme for wireless sensor networks based on elliptic curve cryptography	Yuanyuan Zhang, Neeraj Kumar, Jianhua Chen, Joel J. P. C. Rodrigues	CSED	<u>Security and Communication Networks 9(17):</u>	2016	ISSN:1939-0122
Efficient and Anonymous Mobile User Authentication Protocol Using Self-Certified Public Key Cryptography for Multi-Server Architectures	Debiao He, Sherali Zeadally, Neeraj Kumar, Wei Wu	CSED	IEEE -Trans. Information Forensics and Security 11(9):	2016	ISSN: 1556-6021
A security-enhanced authentication with key agreement scheme for wireless mobile communications using elliptic curve cryptosystem	Han Shen, Neeraj Kumar, Debiao He, Jian Shen, Naveen Chilamkurti	CSED	The Journal of Supercomputing 72(9):	2016	ISSN: 0920-8542
Fuzzy-based trust prediction for effective coordination in vehicular ad hoc networks	Avleen Kaur Malhi, Shalini Batra	CSED	International Journal Of Communication Systems.	2016	ISSN: 1099-1131
Improved Multi-Objective Particle Swarm Optimization Algorithm for Optimizing Watermark Strength in Color Image Watermarking	Nitin Saxena and K.K. Mishra	CSED	Applied Intelligence	2016	ISSN: 1573-7497
A Nature Inspired Hybrid Optimization Algorithm for Dynamic Environment with Real Parameter Encoding	Ashish Tripathi, Nitin Saxena, K. K. Mishra and A. K. Misra	CSED	International Journal of Bio-Inspired Computation	2016	ISSN: 1758-0374
Software component and the semantic Web: An in-depth content analysis and integration history	Loveleen Kaur, Ashutosh Mishra	CSED	Journal of System and Software	2016	ISSN: 0164-1212
A parallel fuzzy clustering algorithm for large graphs using Pregel	Vandana Bhatia and Rinkle Rani	CSED	<u>Expert Systems with Applications</u>	2016	ISSN: 0957-4174
A Partially Distributed Dynamic Model for Secure and Reliable Routing in Mobile Ad hoc Networks	Anjali Anand, Rinkle Rani and Himansu Aggarwal	CSED	Journal of communications and Networks	2016	ISSN: 1976-5541
Content-based image retrieval embedded with agglomerative clustering built on information loss	Shreelekha Pandey, Pritee Khanna	CSED	Computers & Electrical Engineering 54	2016	ISSN: 0045-7906
Clustering of hierarchical image database to reduce inter-and intra-semantic gaps in visual space for finding specific image semantics	Shreelekha Pandey, Pritee Khanna, Haruo Yokota	CSED	Journal of Visual Communication and Image Representation	2016	ISSN: 1047-3203

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
A semantics and image retrieval system for hierarchical image databases	Shreelekha Pandey, Pritee Khanna, Haruo Yokota	CSED	Information Processing & Management	2016	ISSN: 0306-4573
Regression Based Weight Generation Algorithm in Neural Networks for Estimation of Frequencies of Vibrating Plate	S. Chakraverty, V. P. Singh and R. K. Sharma	CSED	Journal of Computer Methods in Applied Mechanics and Engineering	2016	ISSN: 0045-7825
UAVs Assisted Queue Scheduling in Ground Ad Hoc Networks	Vishal Sharma, Rajesh Kumar	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2016	ISSN: 1743-8233
Three Tier Neural Model For Service Provisioning Over Collaborative Modulus Operator for Digital Images	Vishal Sharma, Rajesh Kumar	CSED	Neural Computing and Applications	2016	ISSN: 1433-3058
G-FANET: An Ambient Network Formation Between Ground and UAVs	Vishal Sharma, Rajesh Kumar	CSED	Telecommunication Systems	2016	ISSN: 1572-9451
A Multi-model Persistent Solution for Healthcare Big Data	Karamjit Kaur, Rinkle Rani	CSED	Journal of Medical Imaging and Health Informatics	2016	ISSN: 2156-7018
EMD based Steganography Techniques for JPEG 2000 Images and Videos	Karamjit Kaur, Rinkle Rani	CSED	<i>International Journal of Wavelets, Multiresolution and Information Processing,</i>	2016	ISSN: 1793-690X
Block based Reversible Data Hiding using Histogram Shifting and Modulus Operator for Digital Images	Pankaj Garg, Singara Singh Kasana and Geeta Kasana	CSED	Journal of Circuits, Systems and Computers,	2016	ISSN: 1793-6454
Optimal nodes selection in wireless sensor and actor networks based on prioritized mutual exclusion approach	Virendra Ranga, M Dave, A K Verma	CSED	Kuwait Journal of Science	2016	ISSN: 1024-8684
Node Stability Aware Energy Efficient Single Node Failure Recovery Approach for wireless sensor and actor networks	Virendra Ranga, M Dave, A K Verma	CSED	Malaysian Journal of Computer Science	2016	ISSN 0127-9084
Energy Efficient Cross Layer based Adaptive Threshold Routing Protocol for WSN	Ramnik Singh, A K Verma	CSED	AEU-International Journal of Electronics and Communications	2016	ISSN: 1434-8411
Energy Efficient Architecture for Intra and Inter Cluster Communication for Underwater Wireless Sensor Networks	Nitin goyal, M Dave, A K Verma	CSED	Wireless Personal Communications	2016	ISSN: 1572-834X
A Novel Framework for Grading Writers using Offline Gurmukhi Characters	Munish Kumar, R. K. Sharma and M. K. Jindal	CSED	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2016	ISSN: 2250-1762
Statistical Feature Extraction Based Iris Recognition System	Atul Bansal, R. Agarwal and R. K. Sharma	CSED	Sadhana-Academy Proceedings in Engineering Sciences	2016	ISSN: 0973-7677
Speech recognition using ANN and predator influenced civilized swam optimization algorithm	Teena Mitaal, R. K. Sharma	CSED	Turkish Journal of Electrical Engineering & Computer Sciences 24	2016	ISSN: 1300-0632
Integrated search technique for parameter determination of SVM for speech recognition	Teena Mitaal, R. K. Sharma	CSED	Journal of Central South University	2016	ISSN: 2095-2899
A note on data mining based noise diagnosis and fuzzy filter design for image processing	Rajiv Kumar, Khushneet Jindal	CSED	<u>Computers and Electrical Engineering</u>	2016	ISSN: 0045-7906

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Multicast protection and grooming scheme in survivable WDM optical networks	Ashok Kumar, Pradhan, SayanGhose, Tanmay de	CSED	International Journal of Communication System	2016	ISSN: 1099-1131
An Efficient Multiclass Classifier Using On-Page Positive Personality Features for Web Page Classification for the Next Generation Wireless Communication Networks	Vinod Kumar Bhalla, Neeraj Kumar	CSED	Wireless Personal Communications	2017	ISSN: 1572-834X
Data security in mobile cloud computing paradigm: a survey, taxonomy and open research issues.	Tarunpreet Bhatia and A. K. Verma	CSED	The Journal of Supercomputing	2017	ISSN: 0920-8542
An Efficient and Robust Multi-Frame Image Super-Resolution Reconstruction Using Orthogonal Fourier-Mellin Moments	Chandan Singh, Ashutosh Aggarwal	CSED	Displays	2017	ISSN: 0141-9382
Single-image super-resolution using orthogonal rotation invariant moments	Chandan Singh, Ashutosh Aggarwal	CSED	Computers & Electrical Engineering	2017	ISSN: 0045-7906
A new convolution model for the fast computation of Zernike moments	Chandan Singh, Ashutosh Aggarwal, Sukhjeet K. Ranade	CSED	International Journal of Electronics and Communications	2017	ISSN: 1434-8411
Intelligent Heart Disease Prediction in Cloud Environment through Ensembling.	Nishant Gupta, Shikhar Malhotra, Naman Ahuja, Anju Bala and Gurleen Kaur	CSED	Expert System	2017	ISSN:1468-0394
“VMVC: Verifiable Multitone Visual Cryptography”	Shivendra Shivani	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2017	ISSN: 1573-7721
“XOR based Continuous tone Multi Secret Sharing Scheme for Store and Forward Telemedicine”,	Shivendra Shivani, Suneeta Agarwal	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2017	ISSN: 1573-7721
“Multi Secret Sharing with Unexpanded Meaningful Shares,	Shivendra Shivani	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2017	ISSN: 1573-7721
Secure Signature-Based Authenticated Key Establishment Scheme for Future IoT Applications	Sravani Challa, Mohammad Wazid, Ashok Kumar Das, Neeraj Kumar, Goutham Reddy Alavalapati, Eun-Jun Yoon, Kee-Young Yoo	CSED	IEEE Access 5:	2017	ISSN: 21693536
On the Design of Fine Grained Access Control With User Authentication Scheme for Telecare Medicine Information Systems	Santanu Chatterjee, Sandip Roy, Ashok Kumar Das, Samiran Chattopadhyay, Neeraj Kumar, Goutham Reddy Alavalapati, Kisung Park, Youngho Park	CSED	IEEE Access 5:	2017	ISSN: 21693536
An efficient energy-aware predictive clustering approach for vehicular ad hoc networks	An efficient energy-aware predictive clustering approach for vehicular ad hoc networks	CSED	Int. J. Communication Systems 30(2)	2017	ISSN:1099-1131
A privacy-aware two-factor authentication protocol based on elliptic curve cryptography for wireless sensor networks	Qi Jiang, Neeraj Kumar, Jianfeng Ma, Jian Shen, Debiao He, Naveen Chilamkurti	CSED	Int. Journal of Network Management 27(3)	2017	ISSN: 1099-1190

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Cloud-Assisted Context-Aware Vehicular Cyber-Physical System for PHEVs in Smart Grid	Neeraj Kumar, Mukesh Singh, Sherali Zeadally, Joel J. P. C. Rodrigues, Seungmin Rho	CSED	IEEE Systems Journal 11(1)	2017	ISSN: 1932-8184
ReIDD: reliability-aware intelligent data dissemination protocol for broadcast storm problem in vehicular ad hoc networks	Amit Dua, Neeraj Kumar, Seema Bawa	CSED	Telecommunication Systems 64(3)	2017	ISSN: 1572-9451
Efficient Hierarchical Identity-Based Signature With Batch Verification for Automatic Dependent Surveillance-Broadcast System	Debiao He, Neeraj Kumar, Kim-Kwang Raymond Choo, Wei Wu	CSED	IEEE Trans. Information Forensics and Security 12(2)	2017	ISSN: 1556-6021
Analysis and Improvement of a Privacy-Aware Handover Authentication Scheme for Wireless Network	Yong Xie, Libing Wu, Neeraj Kumar, Jian Shen	CSED	Wireless Personal Communications 93(2)	2017	ISSN: 1572-834X
Evolution based memetic algorithm and its application in software cost estimation	K. K. Mishra, Ashish Tripathi, Shailesh Tiwari and Nitin Saxena	CSED	Journal of Intelligent & Fuzzy Systems	2017	ISSN: 1875-8967
Synthesizing test scenarios in UML activity diagram using a Bio-inspired approach	Vinay Arora, Rajesh Bhatia, Maninder Singh	CSED	Computer Languages, Systems & Structures	2017	ISSN: 1477-8424
An Astrophysics-inspired Grey Wolf Algorithm for Numerical Optimization and its Application to Engineering Design Problems	Vijay Kumar and Dinesh Kumar	CSED	<i>Advances in Engineering Software</i>	2017	ISSN: 0965-9978
Internet Attacks and Intrusion Detection System: Study and Review	Raman Singh, Harish Kumar, R.K. Singla, K.R. Ramkumar	CSED	Online Information Review	2017	ISSN: 1468-4527
Key Management using Chebyshev Polynomials for Mobile Ad Hoc Networks	R. Ramkumar and Raman Singh	CSED	China Communications, Accepted for publication.	2017	ISSN 1673-5447
Community Sensor Network for Monitoring Road Roughness Using Smartphones	Rajiv Kumar, Abhijit Mukherjee and V. P. Singh	CSED	Journal of Computing in Civil Engineering	2017	ISSN: 1943-5487
Traffic noise mapping of Indian roads through smartphone user community participation	Rajiv Kumar, Abhijit Mukherjee and V. P. Singh	CSED	Journal of Computing in Civil Engineering	2017	ISSN: 1943-5487
EFF-FAS: Enhanced Fruit Fly Optimization Based Search and Tracking By Flying Ad Hoc Swarm"	Rajiv Kumar, Abhijit Mukherjee and V. P. Singh	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2017	ISSN: 1743-8233
Efficient Cooperative Relaying In Flying Ad Hoc Networks Using Fuzzy-Bee Colony Optimization	Vishal Sharma, Kathiravan Srinivasan, Rajesh Kumar, Han-Chieh Chao, Kai-Lung Hua	CSED	Journal of Supercomputing	2017	ISSN: 1573-0484
Cooperative Network Frameworks and Network Models For Flying Ad Hoc Networks: A Survey	Vishal Sharma, Rajesh Kumar	CSED	Concurrency Control and Practices	2017	ISSN: 1532-0634
Equal: Energy And Qos Aware Resource Allocation Approach For Clouds	Ashok Kumar, Anju Sharma, and Rajesh Kumar	CSED	Computing and Informatics	2017	ISSN 2585-8807
Energy Aware Resource Allocation For Clouds Using Two Level Ant Colony Optimization	Ashok Kumar, Anju Sharma, and Rajesh Kumar	CSED	Computing and Informatics	2017	ISSN 2585-8807

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Analyzing inconsistencies in software product lines using an ontological rule-based approach	Megha Bhushan, Shivani Goel, Karamjit Kaur	CSED	Journal of Systems and Software,	2017	ISSN: 0164-1212
Block Based Reversible Data Hiding Using Histogram Shifting and a Modulus operator for Digital Images	Pankaj Garg, Singara Singh Kasana and Geeta Kasana	CSED	<i>Journal of Circuits, Systems and Computers</i>	2017	ISSN: 1793-6454
Reference based Semi blind Image Watermarking Scheme in Wavelet Domain	Geeta Kasana and Singara Singh Kasana	CSED	International Journal for Light and Electron Optics	2017	ISSN: 0030-4026
Weighted Image De-fogging using Luminance Dark Prior	Isha Kansal and Singara Singh Kasana	CSED	Journal of Modern Optics	2017	ISSN : 0950-0340
Sewage Water Quality Monitoring Framework using Multi-parametric Sensors	Himanshu Jindal, Sharad Saxena and Singara Singh Kasana	CSED	Wireless Personal Communications	2017	ISSN: 1572-834X
Deterministic Deep Pushdown Transducer and its Parallel Version	Nidhi Kalra and Ajay Kumar	CSED	The Computer Journal	2017	ISSN 1460-2067
QSLB: Queue Size based single path load balancing routing protocol for mobile ad hoc networks	Mohd Naseem, Chiranjeev Kumar	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2017	ISSN: 1743-8233
Offline Handwritten Gurmukhi Character Recognition: Analytical Study of different Transformations	Munish Kumar, R. K. Sharma and M. K. Jindal	CSED	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2017	ISSN: 2250-1762
A MapReduce Based Scalable Discovery and Indexing of Structured Big Data	Hari Singh and Seema Bawa	CSED	Future Generation Computer System The International Journal of Grid Computing and eScience	2017	ISSN: 0167-739X
RITS-MHT: Relative indexed and time stamped Merkle hash tree based data auditing protocol for cloud computing	Garg, Neenu, and Seema Bawa	CSED	Journal of Network and Computer Applications	2017	ISSN: 1084-8045
T-Ensemble approach for Drug Toxicity Prediction	Nishtha Hooda, Seema Bawa, Prashant Singh Rana	CSED	International Journal of Computer Science and Information Security	2017	ISSN: 1947-5500
A novel shape-based character segmentation method for Devanagari script.	Rajiv Kumar, Khushneet Jindal	CSED	Arabian Journal for Science and Engineering.	2017	ISSN: 2191-4281
A Novel Ensemble Technique for Anomaly Detection	Sahil Garg, Shalini Batra	CSED	International Journal of Communication System	2017	ISSN: 1099-1131
Multicast dynamic traffic grooming using bin packing method in WDM mesh networks	Ashok Kumar, Pradhan, SayanGhose, Tanmay de	CSED	Optical Switching and Networking, 23	2017	ISSN: 1573-4277
Fuzzy rule-based expert system for determining trustworthiness of cloud service providers	Rajanpreet Kaur, Sarbjeet Singh	CSED	International Journal of Fuzzy Systems, 19,	2017	ISSN: 2199-3211
Efficient disparity estimation from stereo images using hybrid guided image filter	Khushboo Jain, Husanbir Singh Pannu, Kuldeep Singh, Avleen Kaur Malhi,	CSED	Imaging Science Journal	2017	ISSN:13682199
Multi-objective Particle Swarm Optimization based Adaptive Neuro-Fuzzy Inference System for Benzene Monitoring	Husanbir Singh Pannu, Dilbag Singh, Avleen Kaur Malhi	CSED	Neural Computing and Applications	2017	ISSN: 1433-3058

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QUAT-DEM: Quaternion-DEMATEL based neural model for mutual coordination between UAVs	Sharma V., Kumar R. & Kumar R.	CSED	Information Sciences	2017	ISSN: 0020-0255
Efficient and Privacy-Preserving Data Aggregation Scheme for Smart Grid Against Internal Adversaries	Debiao He, Neeraj Kumar, Sherali Zeadally, Alexey Vinel, Laurence T. Yang	CSED	IEEE Transactions on Smart Grid	2017	ISSN: 1949-3053
Secure Three-Factor User Authentication Scheme for Renewable-Energy-Based Smart Grid Environment	Mohammad Wazid, Ashok Kumar Das, Neeraj Kumar, Joel J. P. C. Rodrigues	CSED	IEEE Transactions on Industrial Informatics	2017	ISSN: 1551-3203
Anonymous Authentication for Wireless Body Area Networks With Provable Security	Debiao He, Sherali Zeadally, Neeraj Kumar, Jong-Hyouk Lee	CSED	IEEE Systems Journal	2017	ISSN: 1932-8184
Secure Authentication Scheme for Medicine Anti-Counterfeiting System in IoT Environment.	Mohammad Wazid, Ashok Kumar Das, Muhammad Khurram Khan, Abdulatif Al-Dhawali Al-Ghaiheb, Neeraj Kumar, Athanasios V. Vasilakos	CSED	IEEE Internet of Things Journal	2017	ISSN: 2327-4662
Network Service Chaining in Fog and Cloud Computing for the 5G Environment: Data Management and Security Challenges	Rajat Chaudhary, Neeraj Kumar, Sherali Zeadally	CSED	IEEE Communications Magazine	2017	ISSN: 1089-7798
Privacy-preserving certificateless provable data possession scheme for big data storage on cloud	Debiao He, Neeraj Kumar, Huaqun Wang, Lina Wang, Kim-Kwang Raymond Choo	CSED	Applied Mathematics and Computation	2017	ISSN: 0096-3003
Efficient and Secure Time-Key Based Single Sign-On Authentication for Mobile Devices	Vanga Odelu, Ashok Kumar Das, Kim-Kwang Raymond Choo, Neeraj Kumar, Youngho Park	CSED	IEEE Access	2017	ISSN: 21693536
Design of Lightweight Authentication and Key Agreement Protocol for Vehicular Ad Hoc Networks	Mohammad Wazid, Ashok Kumar Das, Neeraj Kumar, Vanga Odelu, Goutham Reddy Alavalapati, Kisung Park, Youngho Park	CSED	IEEE Access	2017	ISSN: 21693536
Local Graph Based Correlation Clustering	Divya Pandov, Rinkle Rani, Shivani Goel	CSED	Knowledge-Based Systems, Elsevier	2017	ISSN: 0950-7051
Correlation Clustering Methodologies and their Fundamental Results	Divya Pandov, Rinkle Rani, Shivani Goel	CSED	Experts Systems, Wiley	2017	ISSN:1468-0394
Data deduplication techniques for efficient cloud storage management: a systematic review	Ravneet Kaur, Inderveer Chana, Jhilik Bhattacharya	CSED	The Journal of Supercomputing	2017	ISSN: 0920-8542
Comprehensive survey of 3D image steganography techniques	Ashish Girdhar, Vijay Kumar	CSED	IET Image Processing	2017	ISSN: 1751-9667
Triangular Pyramidal Topology to Measure Temporal and Spatial Variations in Shallow River Water using Ad-hoc Sensors Network	Himanshu Jindal, Sharad Saxena, Singara Singh	CSED	Ad Hoc & Sensor Wireless Networks	2017	ISSN: 1552-0633

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Context-Aware Search Optimization Framework on Internet-of-Things	Monika Bharti, Sharad Saxena, Rajesh Kumar	CSED	Concurrency and Computation: Practice and Experience	2017	ISSN: 1532-0634
Underwater Pipelines Panoramic Image Transmission and Refinement using Acoustic Sensors	Himanshu Jindal, Singara Singh, Sharad Saxena	CSED	International Journal of Wavelets, Multiresolution and Information Processing	2017	ISSN: 1793-690X
A sustainable multi-parametric sensors network topology for river water quality monitoring	Himanshu Jindal, Sharad Saxena, Singara Singh	CSED	Wireless Networks	2017	ISSN: 1572-8196
Multi-objective particle swarm optimization-based adaptive neuro-fuzzy inference system for benzene monitoring	HS Pannu, Dilbag Singh, and Avleen Kaur Malhi	CSED	Neural Computing and Applications Springer	2017	ISSN: 1433-3058
Autonomic point cloud based surface reconstruction using SVR Imaging Science Journal	Khushboo Jain, HS Pannu	CSED	Imaging Science Journal Taylor and Francis	2017	ISSN:13682199
An Efficient Corpus-Based Stemmer	Jasmeet Singh, Vishal Gupta	CSED	Cognitive Computation	2017	ISSN: 1866-9964
A Comprehensive Survey of 3D Image Steganography Techniques	Ashish Gridhar and Vijay Kumar	CSED	IET Image Processing	2017	ISSN: 1751-9667
GreenSched: An Intelligent Energy Aware Scheduling For Deadline-and- Budget Constrained Cloud Tasks	Tarandeep Kaur and Inderveer Chana	CSED	Simulation Modelling Practice and Theory	2017	ISSN: 1569-190X
An Empirical Evaluation of Energy-aware Load Balancing Technique for Cloud Data Center	Nidhi Jain Kansal and Inderveer Chana	CSED	Cluster Computing	2017	ISSN: 1573-7543
Key features of research portal for stimulating research in institutions of higher technical education	Parul Dharmani Ravi Kiran, Anil K Verma	CSED	EJER, 48, 155	2012	ISSN: 2528-8911
Knowledge Management Role of Thought Leaders and Junior Academia in Enhancing Research and Curriculum in Institutions of Higher Technical Education	Ravi Kiran, Parul Agarwal, Anil K Verma	CSED	SAGE Open	2013	ISSN: 21582440
Empirical Evaluation of Cloud-based Testing Techniques: A Systematic Review	Priyanka, Inderveer Chana and Ajay Rana	CSED	International Journal of Computer Information Systems and Industrial Management Applications", pp. 466 - 473 ,Vol 6	2012	ISSN: 21507988
COTS and OSS: A Comparative View	Jagdeep Singh and Shivani Goel	CSED	The International Journal of Computer Science and Applications Vol 1, No. 12, pp. 55-59, Feb 2013	2013	ISSN: 09729038

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
" Grid Scheduling Heuristic methods : State-of-the-Art	Rajni Aron, Inderveer Chana	CSED	International Journal of Computer Information Systems and Industrial Management Applications, pp. 466 - 473 ,Vol 6, 2014	2014	ISSN: 21507988
A secure and energy efficient data dissemination protocol for wireless sensor networks	N. Kumar, M. Kumar, R. B. Patel	CSED	International journal of network security, Vol. 15, Issue 6, pp. 490-500, 2013	2013	ISSN: 1816-3548
Does Porfolio Mix Influence the Mutual Fund Performance?	Nidhi Walia, Ravinder Kumar	CSED	Asia-Pacific Journal of Management Research and Innovation, Vol No. 9 Issue No. 4, December 2013	2013	ISSN: 2321-0729
Web presence of Indian Digital Culture	Seemu Sharma, Hitashi Lomash, Seema Bawa	CSED	Digital Technology and Culture, June 2015, De Gruyter	2015	ISSN: 2195-2965
Modified Single Pass Clustering with Variable Threshold Approach	Mamta Mittal, R.K.Sharma and V. P. Singh	CSED	International Journal of Innovative Computing, Information and Control, pg375-386, 11(1), 2015	2015	ISSN: 13494198
Image Super Resolution using Fusion of Images	Chirag Garg, Singara Singh Kasana	CSED	International Journal of Image and Data Fusion, Vol. 6, pp. 1-11, 2015DOI:10.1080/19479832.2015.1046954	2015	ISSN: 19479832
Recognition of Multi-Stroke Based Online Handwritten Gurmukhi Aksharas	Kumar, R.; Sharma, R. K. & Sharma, A.	CSED	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer,2015, 85, 159-168	2015	ISSN: 2250-1762
A proactive framework for automatic detection of zero-day HTTP attacks on educational institutions.	Sanmeet Kaur, & Maninder Singh	CSED	Computer Fraud & Security, 2015(2), 10-16.	2015	ISSN: 1361-3723
A Novel Approach for Reduction of Dynamic Range Based on Hybrid Tone Mapping Operator	Himanshu Kasliwal, Shatrughan Modi	CSED	Procedia Computer Science, 58, pp. 265-271, 2015	2015	ISSN: 18770509
Towards measurement of structural complexity for ontologies	Niyati Baliyan and Sandeep Kumar	CSED	International Journal of Web Engineering and Technology, 11, 153, 2016 (Scopus)	2016	ISSN: 14761289
Performance Evaluation of Line Symmetry-Based Validity Indices on Clustering Algorithms	Vijay Kumar, Jitender Kumar Chhabra and Dinesh Kumar	CSED	Journal of Intelligent Systems, Vol. 26(3), pp.483-503, 2017	2017	ISSN: 03341860
making indian companies cdm compatible: towards a green financial strategy	Abbasi E.H., Singh A., Constantinescu M., Khan A., Naseem M.	CSED	International Journal of Green Economics	2017	1744-9928
Combinatorial interpretation of a generalized basic series	Agarwal A.K., Rana M.	CSED	Analytic Number Theory, Approximation Theory, and Special Functions: In Honor of Hari M. Srivastava	2014	9781493902583; 1493902571; 9781493902576

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a comprehensive survey of fault tolerance techniques in cloud computing	Agarwal H., Sharma A.	CSED	2015 International Conference on Computing and Network Communications, CoCoNet 2015	2016	9781467373098
expert system and it's requirement engineering process	Agarwal M., Goel S.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	9781479940400
finding nearest facility for multiple customers using voronoi diagram	Agarwal R., Garg D.	CSED	Souvenir of the 2014 IEEE International Advance Computing Conference, IACC 2014	2014	
SMS spam detection for Indian messages	Agarwal S., Kaur S., Garhwal S.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	9781467368094
Antispammer for mobile messages	Agarwal S., Kaur S., Garhwal S.	CSED	ACM International Conference Proceeding Series	2015	9781450335522
A public platform for developing language-independent applications	Agarwal V., Kumar P.	CSED	Digital Scholarship in the Humanities	2018	
UNLization of Punjabi text for natural language processing applications	Agarwal V., Kumar P.	CSED	Sadhana - Academy Proceedings in Engineering Sciences	2018	
HEDEA: A python tool for extracting and analysing semi-structured information from medical records	Aggarwal A., Garhwal S., Kumar A.	CSED	Healthcare Informatics Research	2018	
Lagrangian relaxation for the vehicle routing problem with time windows	Aggarwal D., Kumar V., Girdhar A.	CSED	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	136091
dft based feature extraction technique for recognition of online handwritten gurmukhi strokes	Aggarwal K., Sharma R.K.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
a vehicular dynamics based technique for efficient traffic management	Aggarwal S., Bali R.S.	CSED	2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015	2015	9781479987917
a review & impact of trust schemes in manet	Agrawal A., Verma A.K.	CSED	ACM International Conference Proceeding Series	2016	9781450342131
Encoding of color images in DWT domain using FrFT	Agrawal K., Batra S.	CSED	ACM International Conference Proceeding Series	2016	9781450342131
A Combined CMOS Reference Circuit with Supply and Temperature Compensation	Agrawal M., Agarwal A.	CSED	Communications in Computer and Information Science	2013	9783642420238

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Virtualization of Large-Scale Data Storage System to Achieve Dynamicity and Scalability in Grid Computing	Ajay Kumar, Seema Bawa,	CSED	Advances in Intelligent and Soft Computing, Springer, 233 SPRING STREET, NEW YORK, USA, NY, 10013. Springer, Vol. 167, page 323-331	2012	
A robust and anonymous patient monitoring system using wireless medical sensor networks	Amin R., Islam S.H., Biswas G.P., Khan M.K., Kumar N.	CSED	Future Generation Computer Systems	2018	
design of an anonymity-preserving three-factor authenticated key exchange protocol for wireless sensor networks	Amin R., Islam S.H., Biswas G.P., Khan M.K., Leng L., Kumar N.	CSED	Computer Networks	2016	1389-1286
a robust and efficient bilinear pairing based mutual authentication and session key verification over insecure communication	Amin R., Islam S.H., Vijayakumar P., Khan M.K., Chang V.	CSED	Multimedia Tools and Applications	2017	1380-7501
a more secure and privacy-aware anonymous user authentication scheme for distributed mobile cloud computing environments	Amin R., Islam S.K.H., Biswas G.P., Giri D., Khan M.K., Kumar N.	CSED	Security and Communication Networks	2016	1939-0114
an efficient and practical smart card based anonymity preserving user authentication scheme for tmis using elliptic curve cryptography	Amin R., Islam S.K.H., Biswas G.P., Khan M.K., Kumar N.	CSED	Journal of Medical Systems	2015	0148-5598
A two-factor RSA-based robust authentication system for multiserver environments	Amin R., Islam S.K.H., Khan M.K., Karati A., Giri D., Kumari S.	CSED	Security and Communication Networks	2017	1939-0114
An untraceable and anonymous password authentication protocol for heterogeneous wireless sensor networks	Amin R., Islam S.K.H., Kumar N., Choo K.-K.R.	CSED	Journal of Network and Computer Applications	2018	
A light weight authentication protocol for IoT-enabled devices in distributed Cloud Computing environment	Amin R., Kumar N., Biswas G.P., Iqbal R., Chang V.	CSED	Future Generation Computer Systems	2018	
cryptanalysis and improvement of an rsa based remote user authentication scheme using smart card	Amin R., Maitra T., Giri D., Srivastava P.D.	CSED	Wireless Personal Communications	2017	0929-6212
a software agent enabled biometric security algorithm for secure file access in consumer storage devices	Amin R., Sherratt R.S., Giri D., Islam S.H., Khan M.K.	CSED	IEEE Transactions on Consumer Electronics	2017	0098-3063
partially distributed dynamic model for secure and reliable routing in mobile ad hoc networks	Anand A., Aggarwal H., Rani R.	CSED	Journal of Communications and Networks	2016	1229-2370
reliable back-up facility in distribution network	Anand R., Kumar V.	CSED	Procedia Computer Science	2017	18770509

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Firefly algorithm for reliable protection in distribution networks	Anand R., Kumar V.	CSED	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	136091
Artificial intelligence based intrusion detection system to detect flooding attack in VANETs	Aneja M.J.S., Bhatia T., Sharma G., Shrivastava G.	CSED	Handbook of Research on Network Forensics and Analysis Techniques	2018	
parallelizing generalized one-dimensional bin packing problem using mapreduce	Anika, Garg D.	CSED	Souvenir of the 2014 IEEE International Advance Computing Conference, IACC 2014	2014	
Computation of Pheromone Values in AntNet Algorithm	Anuj Gupta, H Sadawarti, Anil K Verma	CSED	IJCNIS	2012	
a hyper-heuristic approach for resource provisioning-based scheduling in grid environment	Aron R., Chana I., Abraham A.	CSED	Journal of Supercomputing	2015	0920-8542
hyper-heuristic based resource scheduling in grid environment	Aron R., Chana I., Abraham A.	CSED	Proceedings - 2013 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2013	2013	9780769551548
a novel smart meter for better control over devices including electric vehicles and to enable smart use of power in smart home	Arora N.N., Jindal A., Singh M., Kumar N., Kumar P.	CSED	2015 IEEE International Transportation Electrification Conference, ITEC-India 2015	2016	9781509019113
a survey of clustering techniques for big data analysis	Arora S., Chana I.	CSED	Proceedings of the 5th International Conference on Confluence 2014: The Next Generation Information Technology Summit	2014	9781479942367
regularization based modified sart iterative method for ct image reconstruction	Arya K.V., Pathak Y., Tiwari S.	CSED	Proceedings - 2016 9th International Conference on Developments in eSystems Engineering, DeSE 2016	2017	9781509054879
Facial recognition using histogram of Gabor phase patterns and self organizing maps	Arya K.V., Upadhyay G., Upadhyay S., Tiwari S., Sharma P.	CSED	11th International Conference on Industrial and Information Systems, ICIIIS 2016 - Conference Proceedings	2018	134326
comprehensive survey of 3d image	Ashish Girdhar , Vijay Kumar	CSED	IET Image Processing	2017	
Extracting a knowledge from source code comprehension using data mining methods	Ashutosh Mishra and Vinayak Srivastava	CSED	Int. J. knowledge Engineering and Data mining, InderScience Publication, UK, Vol. 2, NOS. 2/3, 2012	2012	
SecSVA: Secure Storage, Verification, and Auditing of Big Data in the Cloud Environment	Aujla G.S., Chaudhary R., Kumar N., Das A.K., Rodrigues J.J.P.C.	CSED	IEEE Communications Magazine	2018	

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Data Offloading in 5G-Enabled Software-Defined Vehicular Networks: A Stackelberg-Game-Based Approach	Aujla G.S., Chaudhary R., Kumar N., Rodrigues J.J.P.C., Vinel A.	CSED	IEEE Communications Magazine	2017	1636804
sdn-based data center energy management system using res and electric vehicles	Aujla G.S., Jindal A., Kumar N., Singh M.	CSED	2016 IEEE Global Communications Conference, GLOBECOM 2016 - Proceedings	2016	9781509013289
SDN-based energy management scheme for sustainability of data centers: An analysis on renewable energy sources and electric vehicles participation	Aujla G.S., Kumar N.	CSED	Journal of Parallel and Distributed Computing	2018	0743-7315
MEnSuS: An efficient scheme for energy management with sustainability of cloud data centers in edge-cloud environment	Aujla G.S., Kumar N.	CSED	Future Generation Computer Systems	2018	
Renewable Energy-based Multi-Indexed Job Classification and Container Management Scheme for Sustainability of Cloud Data Centers	Aujla G.S., Kumar N., Garg S., Kaur K., Rajan R., Garg S.	CSED	IEEE Transactions on Industrial Informatics	2018	
Energy trading with dynamic pricing for electric vehicles in a smart city environment	Aujla G.S., Kumar N., Singh M., Zomaya A.Y.	CSED	Journal of Parallel and Distributed Computing	2018	
Optimal decision making for big data processing at edge-cloud environment: An SDN perspective	Aujla G.S., Kumar N., Zomaya A.Y., Ranjan R.	CSED	IEEE Transactions on Industrial Informatics	2018	
stackelberg game for energy-aware resource allocation to sustain data centers using res	Aujla G.S., Singh M., Kumar N., Zomaya A.	CSED	IEEE Transactions on Cloud Computing	2017	2168-7161
Predicting Number of Zombies in DDoS Attacks Using Pace Regression Model	B. B. Gupta	CSED	Journal of Computing and Information Technology (CIT) , Vol. 20, no. 1, ISSN 1846-3908, pp. 1–8	2012	
ANN Based Scheme to Predict Number of Zombies involved in a DDoS Attack	B. B. Gupta, et. Al.	CSED	International Journal of Network Security (IJNS), vol. 14, no. 1, ISSN 1816-3548, pp. 36-45	2012	
Enhanced CBF Packet Filtering Method to Detect DDoS Attack in Cloud Computing Environment	B. B. Gupta, et. Al.	CSED	International Journal of Computer Science Issues(IJCSI), vol. 10, issue 2, pp. 142-146	2013	
Network Traffic Reduction and Representation	B. B. Gupta, et. Al.	CSED	International Journal of Data Analysis Techniques and Strategies (available as early access article)	2012	
Moldable load scheduling using demand adjustable policies	Bagga S., Garg D., Arora A.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	9781479930791

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autonomic fault tolerant scheduling approach for scientific workflows in cloud computing	Bala A., Chana I.	CSED	Concurrent Engineering Research and Applications	2015	1063293X
Multilevel priority-based task scheduling algorithm for workflows in cloud computing environment	Bala A., Chana I.	CSED	Advances in Intelligent Systems and Computing	2016	9789811001277
emerging green ict: heart disease prediction model in cloud environment	Bala A., Malhotra S., Gupta N., Ahuja N.	CSED	Advances in Intelligent Systems and Computing	2016	9789811001338
an improved forward secure elliptic curve signcryption key management scheme for wireless sensor networks	Bala S., Sharma G., Verma A.K.	CSED	Lecture Notes in Electrical Engineering	2013	9789400758599
cryptanalysis of certificateless signature scheme	Bala S., Sharma G., Verma A.K.	CSED	Information (Japan)	2013	1343-4500
Classification of symmetric key management schemes for wireless sensor networks	Bala S., Sharma G., Verma A.K.	CSED	International Journal of Security and its Applications	2013	1738-9976
Impersonation attack on CertificateLess key agreement protocol	Bala S., Sharma G., Verma A.K.	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2018	
Secure key establishment in wireless sensor networks	Bala S., Sharma G., Verma A.K.	CSED	Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications	2018	
an intelligent clustering algorithm for vanets	Bali R.S., Kumar N., Rodrigues J.J.P.C.	CSED	2014 International Conference on Connected Vehicles and Expo, ICCVE 2014 - Proceedings	2014	9781479967292
clustering in vehicular ad hoc networks: taxonomy, challenges and solutions	Bali R.S., Kumar N., Rodrigues J.J.P.C.	CSED	Vehicular Communications	2014	22142096
Slantlet based hybrid watermarking technique for medical images	Bamal R., Kasana S.S.	CSED	Multimedia Tools and Applications	2018	1380-7501
energy efficient protocol for wireless sensor network	Bandral M.S., Jain S.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	9781479940400
Design of an Anonymity-Preserving Group Formation Based Authentication Protocol in Global Mobility Networks	Banerjee S., Odelu V., Das A.K., Chattopadhyay S., Kumar N., Park Y., Tanwar S.	CSED	IEEE Access	2018	
Selecting a set of appropriate metrics for detecting code clones	Bansal G., Tekchandani R.	CSED	2014 7th International Conference on Contemporary Computing, IC3 2014	2014	9781479951734
enablement of iot based context-aware smart home with fog computing	Bansal M., Chana I., Clarke S.	CSED	Journal of Cases on Information Technology	2017	1548-7717
A review on opinionated sentiment analysis based upon machine learning approach	Bansal N., Singh A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855

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a graph-based model to improve social trust and influence for social recommendation	Bathla G., Aggarwal H., Rani R.	CSED	Journal of Supercomputing	2017	0920-8542
Migrating from data mining to big data mining	Bathla G., Aggarwal H., Rani R.	CSED	International Journal of Engineering and Technology(UAE)	2018	
Comparative study of NoSQL databases for big data storage	Bathla G., Rani R., Aggarwal H.	CSED	International Journal of Engineering and Technology(UAE)	2018	
comparative analysis of density based outlier detection techniques on breast cancer data using hadoop and map reduce	Behera S., Rani R.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
New highly efficient families of higher-order methods for simple roots, permitting $f'(x_n)=0$	Behl R., Kanwar V.	CSED	International Journal of Mathematics and Mathematical Sciences	2014	0161-1712
Highly efficient classes of Chebyshev-Halley type methods free from second-order derivative	Behl R., Kanwar V.	CSED	2014 Recent Advances in Engineering and Computational Sciences, RAECS 2014	2014	
script identification from offline handwritten characters using combination of features	Bhardwaj A., Jindal S.R.	CSED	Advances in Intelligent Systems and Computing	2017	9789811033247
Fuzzy reliability analysis of integrated network traffic visualization system	Bhardwaj A.K., Gajpal Y., Singh M.	CSED	Journal of Intelligent and Fuzzy Systems	2016	1064-1246
Data mining-based integrated network traffic visualization framework for threat detection	Bhardwaj A.K., Singh M.	CSED	Neural Computing and Applications	2014	0941-0643
machine learning in efficient and effective web service discovery	Bhardwaj K.C., Sharma R.K.	CSED	Journal of Web Engineering	2015	1540-9589
multimedia security through lsb matching	Bhardwaj R.	CSED	ACM International Conference Proceeding Series	2016	9781450339629
Enhanced encrypted reversible data hiding algorithm with minimum distortion through homomorphic encryption	Bhardwaj R.	CSED	Journal of Electronic Imaging	2018	
An improved block based joint reversible data hiding in encrypted images by symmetric cryptosystem	Bhardwaj R., Aggarwal A.	CSED	Pattern Recognition Letters	2018	
Two Level Encryption of Grey Scale Image through 2D Cellular Automata	Bhardwaj R., Bhagat D.	CSED	Procedia Computer Science	2018	133386
enhanced the security of image steganography through image encryption	Bhardwaj R., Khanna D.	CSED	12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015	2016	9781467373999
image steganography based on complemented message and inverted bit lsb substitution	Bhardwaj R., Sharma V.	CSED	Procedia Computer Science	2016	1877-0509

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Effective image encryption technique through 2D cellular automata	Bhardwaj R., Sharma V.	CSED	Advances in Intelligent Systems and Computing	2018	
A Modified Method for Generation of Communication Sets	Bhardwaj R., Upadhyay A.	CSED	National Academy Science Letters	2018	
Context-aware search optimization framework on the internet of things	Bharti M., Kumar R., Saxena S.	CSED	Concurrency Computation	2018	0045-7906
intelligent resource inquisition framework on internet-of-things	Bharti M., Saxena S., Kumar R.	CSED	Computers and Electrical Engineering	2017	
Prediction of Future Possible Offender's Network and Role of Offenders	Bharti S., Mishra A.	CSED	Proceedings - 2015 5th International Conference on Advances in Computing and Communications, ICACC 2015	2016	
an efficient approach for outlier detection in big sensor data of healthcare	Bharti Saneja and Rinkle Rani	CSED	International Journal of Communication Systems, Wiley	2017	0003-4347
Quantifying matrix product state	Bhatia A.S., Kumar A.	CSED	Quantum Information Processing	2018	0920-8542
biometric authentication for cloud computing	Bhatia T., Verma A.K.	CSED	Handbook of Research on Securing Cloud-Based Databases with Biometric Applications	2014	
cryptanalysis and improvement of certificateless proxy signcryption scheme for e-prescription system in mobile cloud computing	Bhatia T., Verma A.K.	CSED	Annales des Telecommunications/Annals of Telecommunications	2017	
data security in mobile cloud computing paradigm: a survey, taxonomy and open research issues	Bhatia T., Verma A.K.	CSED	Journal of Supercomputing	2017	
Secure sharing of mobile personal healthcare records using certificateless proxy re-encryption in cloud	Bhatia T., Verma A.K., Sharma G.	CSED	Transactions on Emerging Telecommunications Technologies	2018	
A novel defense scheme against flooding attack in mobile adhoc networks	Bhatia T., Verma A.K., Sharma G., Bala S.	CSED	Recent Patents on Engineering	2018	
An efficient algorithm for sampling of a single large graph	Bhatia V., Rani R.	CSED	2017 10th International Conference on Contemporary Computing, IC3 2017	2018	1330-1136
An efficient influence based label propagation algorithm for clustering large graphs	Bhatia V., Rani R.	CSED	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	0266-4720
DFuzzy: a deep learning-based fuzzy clustering model for large graphs	Bhatia V., Rani R.	CSED	Knowledge and Information Systems	2018	
PFCA: An influence-based parallel fuzzy clustering algorithm for large complex networks	Bhatia V., Rani R.	CSED	Expert Systems	2018	2194-5357
Ap-FSM: A parallel algorithm for approximate frequent subgraph mining using Pregel	Bhatia V., Rani R.	CSED	Expert Systems with Applications	2018	

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A Constraint Guided Progressive Sequential Mining Waterfall Model for CRM	Bhawna Mallick, Deepak Garg, P S Grover	CSED	CIT Journal of Computing and Information Technology, pp. 45-55 Vol 22 2014	2014	0045-7906
improving software product line using an ontological approach	Bhushan M., Goel S.	CSED	Sadhana - Academy Proceedings in Engineering Sciences	2016	
Improving quality of software product line by analysing inconsistencies in feature models using an ontological rule-based approach	Bhushan M., Goel S., Kumar A.	CSED	Expert Systems	2018	
Managing software product line using an ontological rule-based framework	Bhushan M., Goel S., Kumar A., Negi A.	CSED	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	
Spectrum hand off in Cognitive Radio Network using Dynamic Threshold	Bhushan S., Bali R.S., Kaur A.	CSED	Proceedings of the 2015 International Conference on Green Computing and Internet of Things, ICGIoT 2015	2016	2095-2228
fingerprint recognition password scheme using bfo	Brar H.S., Singh V.P.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	0022-0000
cooperative strategies for challenged networks and applications: a survey	Bruno M. C. Silva, Joel J. P. C. Rodrigues, Neeraj Kumar, Guangjie Han	CSED	IEEE Systems Journal	2017	
impact of black hole and gray hole attack in aodv protocol	Chadha K., Jain S.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	1877-0509
Hybrid genetic fuzzy rule based inference engine to detect intrusion in networks	Chadha K., Jain S.	CSED	Advances in Intelligent Systems and Computing	2015	
Design and analysis of authenticated key agreement scheme in cloud-assisted cyber-physical systems	Challa S., Das A.K., Gope P., Kumar N., Wu F., Vasilakos A.V.	CSED	Future Generation Computer Systems	2018	0920-8542
An efficient ECC-based provably secure three-factor user authentication and key agreement protocol for wireless healthcare sensor networks	Challa S., Das A.K., Odelu V., Kumar N., Kumari S., Khan M.K., Vasilakos A.V.	CSED	Computers and Electrical Engineering	2018	1687-8434
an analysis of modeling and optimization production cost through fuzzy linear programming problem with symmetric and right angle triangular fuzzy number	Chandrawat R.K., Kumar R., Garg B.P., Dhiman G., Kumar S.	CSED	Advances in Intelligent Systems and Computing	2017	1877-0509
Learning in an interactive simulation tool against landslide risks: The role of strength and availability of experiential feedback	Chaturvedi P., Arora A., Dutt V.	CSED	Natural Hazards and Earth System Sciences	2018	2168-2194

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SDN-Enabled Multi-Attribute-Based Secure Communication for Smart Grid in IIoT Environment	Chaudhary R., Aujla G.S., Garg S., Kumar N., Rodrigues J.J.P.C.	CSED	IEEE Transactions on Industrial Informatics	2018	
Finding similar items using LSH and Bloom Filter	Chauhan S.S., Batra S.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	0965-9978
A parallel computational approach for similarity search using Bloom filters	Chauhan S.S., Batra S.	CSED	Computational Intelligence	2018	
optimal time dependent pricing model for smart cloud with cost based scheduling	Chawla C., Chana I.	CSED	ACM International Conference Proceeding Series	2015	
a novel strategy for automatic test data generation using soft computing technique	Chawla P., Chana I., Rana A.	CSED	Frontiers of Computer Science	2015	0045-7906
cloud-based automatic test data generation framework	Chawla P., Chana I., Rana A.	CSED	Journal of Computer and System Sciences	2016	
Cyber forensics framework for big data analytics in IoT environment using machine learning	Chhabra G.S., Singh V.P., Singh M.	CSED	Multimedia Tools and Applications	2018	1861-8200
Dynamic Vehicle Ontology Based Routing for VANETs	Chhabra S., Bali R.S., Kumar N.	CSED	Procedia Computer Science	2015	0018-9545
efficient routing in vehicular ad-hoc networks using firefly optimization	Chhabra S., Kumar R.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
shape - an approach for self-healing and self-protection in complex distributed networks	Chopra I., Singh M.	CSED	Journal of Supercomputing	2014	
prediction of compressive strength of concrete using artificial neural network and genetic programming	Chopra P., Sharma R.K., Kumar M.	CSED	Advances in Materials Science and Engineering	2016	1868-4394
Video Search Engine Optimization Using Keyword and Feature Analysis	Choudhari K., Bhalla V.K.	CSED	Procedia Computer Science	2015	0218-1266
Decrypting homomorphism	Dabra V., Chana I., Bala A.	CSED	Proceedings - 2nd International Conference on Computing, Communication, Control and Automation, ICCUBE 2016	2017	
Analysis of pattern matching algorithms in network intrusion detection systems	Dagar V., Prakash V., Bhatia T.	CSED	Proceedings - 2016 International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2016	2016	1074-5351
On segmentation of words from online handwritten Gurmukhi sentences	Dahake D., Sharma R.K., Singh H.	CSED	Proceedings - 2017 2nd International Conference on Man and Machine Interfacing, MAMI 2017	2018	0045-7906

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
maximal pattern matching with flexible wildcard gaps and one-off constraint	Dahiya A., Garg D.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	
Design of Secure and Lightweight Authentication Protocol for Wearable Devices Environment	Das A.K., Wazid M., Kumar N., Khan M.K., Choo K.-K.R., Park Y.	CSED	IEEE Journal of Biomedical and Health Informatics	2018	
optical character recognition using template matching and back propagation algorithm	Desai S., Singh A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
behavior analysis of malware using machine learning	Dhammi A., Singh M.	CSED	2015 8th International Conference on Contemporary Computing, IC3 2015	2015	
spotted hyena optimizer: a novel bio-inspired based metaheuristic technique for engineering applications	Dhiman G., Kumar V.	CSED	Advances in Engineering Software	2017	1546-2234
Emperor penguin optimizer: A bio-inspired algorithm for engineering problems	Dhiman G., Kumar V.	CSED	Knowledge-Based Systems	2018	
Multi-objective spotted hyena optimizer: A Multi-objective optimization algorithm for engineering problems	Dhiman G., Kumar V.	CSED	Knowledge-Based Systems	2018	1386-7857
extended visual cryptography techniques for true color images	Dhiman K., Kasana S.S.	CSED	Computers and Electrical Engineering	2017	
Sharing two true colour images using (3, 3)-extended visual cryptography technique	Dhiman K., Kasana S.S.	CSED	Journal of Modern Optics	2018	
rema: a resource management tool to improve the performance of vehicular delay-tolerant networks	Dias J.A.F.F., Rodrigues J.J.P.C., Kumar N., Korotayev V., Han G.	CSED	Vehicular Communications	2017	
a hybrid system to stimulate selfish nodes to cooperate in vehicular delay-tolerant networks	Dias J.A.F.F., Rodrigues J.J.P.C., Kumar N., Mavromoustakis C.X.	CSED	IEEE International Conference on Communications	2015	1343-4500
a systematic review on routing protocols for vehicular ad hoc networks	Dua A., Kumar N., Bawa S.	CSED	Vehicular Communications	2014	
game theoretic approach for real-time data dissemination and offloading in vehicular ad hoc networks	Dua A., Kumar N., Bawa S.	CSED	Journal of Real-Time Image Processing	2017	0148-5598

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An Energy Efficient Data Dissemination and Information Retrieval Scheme for VANET	Dua A., Kumar N., Bawa S.	CSED	Proceedings - 2015 IEEE International Conference on Data Science and Data Intensive Systems; 8th IEEE International Conference Cyber, Physical and Social Computing; 11th IEEE International Conference on Green Computing and Communications and 8th IEEE International Conference on Internet of Things, DSDIS/CPSCoM/GreenCom/iThings 2015	2015	
efficient tdma based virtual back off algorithm for adaptive data dissemination in vanets	Dua A., Kumar N., Bawa S., Chilamkurti N.	CSED	2013 International Symposium on Wireless and Pervasive Computing, ISWPC 2013	2013	1109-2750
Secure message communication protocol among vehicles in smart city	Dua A., Kumar N., Das A.K., Susilo W.	CSED	IEEE Transactions on Vehicular Technology	2018	0369-8203
secure message communication among vehicles using elliptic curve cryptography in smart cities	Dua A., Kumar N., Singh M., Obaidat M.S., Hsiao K.-F.	CSED	IEEE CITS 2016 - 2016 International Conference on Computer, Information and Telecommunication Systems	2016	1756-0543
Ideal Lattice-Based Anonymous Authentication Protocol for Mobile Devices	Feng Q., He D., Zeadally S., Kumar N., Liang K.	CSED	IEEE Systems Journal	2018	1319-1578
Agent enriched distributed association rules mining- A review	G S Bhamra, R B Patel, Anil K Verma	CSED	LNCS, 7103, 30-45	2011	
progressive alignment using shortest common supersequence	Garg A., Garg D.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	1743-8225
integration of heterogeneous databases	Garg B., Kaur K.	CSED	Conference Proceeding - 2015 International Conference on Advances in Computer Engineering and Applications, ICACEA 2015	2015	
Analysis of various direction lifting schemes for JPEG2000 standard	Garg C., Kasana S.S.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	
Technical program committee chair's message	Garg D.	CSED	2014 International Conference on Signal Propagation and Computer Technology, ICSPCT 2014	2014	

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Message from the General Chair	Garg D.	CSED	Proceedings - 6th International Advanced Computing Conference, IACC 2016	2016	
A hybrid GA-GSA algorithm for optimizing the performance of an industrial system by utilizing uncertain data	Garg H.	CSED	Handbook of Research on Artificial Intelligence Techniques and Algorithms	2014	1746-0972
Fuzzy inventory models for deteriorating items under different types of lead-time distributions	Garg H.	CSED	Intelligent Systems Reference Library	2015	
a comparative study of community detection algorithms using graphs and r	Garg N., Rani R.	CSED	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCA 2017	2017	1683-3198
Analysis and visualization of Twitter data using k-means clustering	Garg N., Rani R.	CSED	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2018	
block-based reversible data hiding using histogram shifting and modulus operator for digital images	Garg P., Kasana S.S., Kasana G.	CSED	Journal of Circuits, Systems and Computers	2017	1743-8225
Mining Professional's Data from LinkedIn	Garg P., Rani R., Miglani S.	CSED	Proceedings - 2015 5th International Conference on Advances in Computing and Communications, ICACC 2015	2016	0098-3063
An approach to rank code clones for efficient clone management	Garg R., Tekchandani R.	CSED	2014 International Conference on Advances in Electronics, Computers and Communications, ICAECC 2014	2015	
Accessing risk priority of SSL SYN attack using game theoretic attack defense tree model for VANETs	Garg S., Aujla G.S.	CSED	Proceedings of the 10th INDIACom; 2016 3rd International Conference on Computing for Sustainable Global Development, INDIACom 2016	2016	0098-3063
Semantic analysis of big data by applying de-duplication techniques	Garg S., Bala A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
a novel ensembled technique for anomaly detection	Garg S., Batra S.	CSED	International Journal of Communication Systems	2017	
fuzzified cuckoo based clustering technique for network anomaly detection	Garg S., Batra S.	CSED	Computers and Electrical Engineering	2017	
EnClass: Ensemble-based classification model for network anomaly detection in massive datasets	Garg S., Singh A., Batra S., Kumar N., Obaidat M.S.	CSED	2017 IEEE Global Communications Conference, GLOBECOM 2017 - Proceedings	2018	0925-2312

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UAV-Empowered Edge Computing Environment for Cyber-Threat Detection in Smart Vehicles	Garg S., Singh A., Batra S., Kumar N., Yang L.T.	CSED	IEEE Network	2018	
revising antimirov's partial derivatives for fuzzy regular expressions	Garhwal S., Jiwari R., Tomasiello S.	CSED	Proceedings - 2017 International Conference on High Performance Computing and Simulation, HPCS 2017	2017	
an analysis of identity-based ring signcryption schemes for wireless sensor networks	Gaurav Sharma, Anil K. Verma	CSED	Information Journal	2014	
optimized virtual honeynet with implementation of host machine as honeywall	Gautam R., Kumar S., Bhattacharya J.	CSED	12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015	2016	
CPU mining Malware: Complete Analysis of Real World Virus	Gautam, R., Kumar. S,& Bhattacharya, J	CSED	International Journal of Research in Advent Technology, 2015	2015	
reference based semiblind image watermarking scheme in wavelet domain	Geeta Kasana and Singara Singh Kasana	CSED	International Journal of Light and Electron Optics.	2017	
a model for predicting the eligibility for placement of students using data mining technique	Gera M., Goel S.	CSED	International Conference on Computing, Communication and Automation, ICCCA 2015	2015	
analyze university network traffic to explore usage behaviour and to detect malicious activities	Gill H.K., Singh M.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	1551-3203
idps based framework for security in green cloud computing and comprehensive review on existing frameworks and security issues	Gill K.S., Sharma A.	CSED	2015 International Conference on Computing, Communication and Security, ICCCS 2015	2016	
iot based agriculture as a cloud and big data service: the beginning of digital india	Gill S.S., Buyya R., Chana I.	CSED	Journal of Organizational and End User Computing	2017	
BULLET: Particle Swarm Optimization Based Scheduling Technique for Provisioned Cloud Resources	Gill S.S., Buyya R., Chana I., Singh M., Abraham A.	CSED	Journal of Network and Systems Management	2018	
chopper: an intelligent qos-aware autonomic resource management approach for cloud computing	Gill S.S., Chana I., Singh M., Buyya R.	CSED	Cluster Computing	2017	
A RGB image encryption technique using Lorenz and Rossler chaotic system on DNA sequences	Girdhar A., Kumar V.	CSED	Multimedia Tools and Applications	2018	
Intrusion detection for Adhoc networks in IOT	Girnar N., Kaur S.	CSED	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2018	1319-8025

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robot relay: an optimal path planning for multiple client service	Goel A., Bhattacharya J., Anika	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
information retrieval system using unl for multilingual question answering	Goel K., Bhatia P.	CSED	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	0306-4573
cloud computing based social media model	Goel K., Goel I.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	2090-4479
cloud computing based e-commerce model	Goel K., Goel M.	CSED	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
fp-growth implementation using tries for association rule mining	Goel M., Goel K.	CSED	Advances in Intelligent Systems and Computing	2017	1064-1246
multistage learning model for better learning: a cognitive science perspective	Goel S., Garg D.	CSED	Proceedings of the 2014 IEEE International Conference on MOOCs, Innovation and Technology in Education, IEEE MITE 2014	2015	1574-8936
enterprise resource planning in technical educational institutions: benefits and cost	Goel S., Kiran R., Garg D.	CSED	Proceedings of the 2013 IEEE International Conference in MOOC, Innovation and Technology in Education, MITE 2013	2013	1532-0626
predictors for user satisfaction in enterprise resource planning implementation in technical educational institutions	Goel S., Kiran R., Garg D.	CSED	Information (Japan)	2013	1738-9976
technologies for cost efficient enterprise resource planning: a theoretical perspective	Goel S., Kiran R., Garg D.	CSED	Advances in Intelligent Systems and Computing	2013	0972-0529
Brownian Motus and Clustered Binary Insertion Sort methods: An efficient progress over traditional methods	Goel S., Kumar R.	CSED	Future Generation Computer Systems	2018	
A Novel Reference Security Model with the Situation Based Access Policy for Accessing EPHR Data	Gope P., Amin R.	CSED	Journal of Medical Systems	2016	1747-8405
Lightweight and privacy-preserving RFID authentication scheme for distributed IoT infrastructure with secure localization services for smart city environment	Gope P., Amin R., Hafizul Islam S.K., Kumar N., Bhalla V.K.	CSED	Future Generation Computer Systems	2018	

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adaptive probabilistic skip graph	Goyal A., Batra S.	CSED	Souvenir of the 2015 IEEE International Advance Computing Conference, IACC 2015	2015	
Extending MPLS technology in providing quality of service among different autonomous systems using Relay Race transmission approach	Goyal A., Gupta A., Gupta R.	CSED	WSEAS Transactions on Computers	2014	0885-8950
congestion control and load balancing for cluster based underwater wireless sensor networks	Goyal N., Dave M., Verma A.K.	CSED	2016 4th International Conference on Parallel, Distributed and Grid Computing, PDGC 2016	2016	1932-8184
fuzzy based clustering and aggregation technique for under water wireless sensor networks	Goyal N., Dave M., Verma A.K.	CSED	2014 International Conference on Electronics and Communication Systems, ICECS 2014	2014	
improved data aggregation for cluster based underwater wireless sensor networks	Goyal N., Dave M., Verma A.K.	CSED	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2017	
trust model for cluster head validation in underwater wireless sensor networks	Goyal N., Dave M., Verma A.K.	CSED	Underwater Technology	2017	
Data aggregation in underwater wireless sensor network: Recent approaches and issues	Goyal N., Dave M., Verma A.K.	CSED	Journal of King Saud University - Computer and Information Sciences	2017	
A novel fault detection and recovery technique for cluster-based underwater wireless sensor networks	Goyal N., Dave M., Verma A.K.	CSED	International Journal of Communication Systems	2018	1758-0366
experimental comparison of three scheduling algorithms for energy efficiency in cloud computing	Goyal S., Bawa S., Singh B.	CSED	2014 IEEE International Conference on Cloud Computing in Emerging Markets, CCEM 2014	2015	
Energy optimised resource scheduling algorithm for private cloud computing	Goyal S., Bawa S., Singh B.	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2016	
Wormhole and sybil attack in WSN: A review	Goyal S., Bhatia T., Verma A.K.	CSED	2015 International Conference on Computing for Sustainable Global Development, INDIACOM 2015	2015	
LBASMP: Load balancing adaptive scheduling with minimum packet loss in Wireless Mesh Network	Goyal T., Kumar N.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCT 2014	2015	1877-0509
Image super resolution by fast edge-Adaptive interpolation	Grover R., Kasana S.S.	CSED	ICACCS 2015 - Proceedings of the 2nd International Conference on Advanced Computing and Communication Systems	2015	

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Comprehensive review for energy efficient hierarchical routing protocols on wireless sensor networks	Guleria K., Verma A.K.	CSED	Wireless Networks	2018	
applying data mining techniques in job recommender system for considering candidate job preferences	Gupta A., Garg D.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	
Analysis of Students' Ratings of Teaching Quality to Understand the Role of Gender and Socio-Economic Diversity in Higher Education	Gupta A., Garg D., Kumar P.	CSED	IEEE Transactions on Education	2018	
A short survey on bloom filter and its variants	Gupta D., Batra S.	CSED	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2017	2017	1361-3723
ProIDS: Probabilistic Data Structures Based Intrusion Detection System for Network Traffic Monitoring	Gupta D., Garg S., Singh A., Batra S., Kumar N., Obaidat M.S.	CSED	2017 IEEE Global Communications Conference, GLOBECOM 2017 - Proceedings	2018	0360-0300
Big Data Framework for Zero-Day Malware Detection	Gupta D., Rani R.	CSED	Cybernetics and Systems	2018	
A study of big data evolution and research challenges	Gupta D., Rani R.	CSED	Journal of Information Science	2018	0165-2478
segmentation of retail customers based on cluster analysis in building successful crm	Gupta G., Aggarwal H., Rani R.	CSED	International Journal of Business Information Systems	2016	1537744X
Recognition of Online Handwritten Gurmukhi strokes using support vector machine	Gupta M., Gupta N., Agrawal R.	CSED	Advances in Intelligent Systems and Computing	2013	
intelligent heart disease prediction in cloud environment through ensembling	Gupta N., Ahuja N., Malhotra S., Bala A., Kaur G.	CSED	Expert Systems	2017	0941-0643
Despeckling of ultrasound images using modified local statistics mean variance filter	Gupta R., Pachauri R., Singh A.	CSED	CMES - Computer Modeling in Engineering and Sciences	2018	
selectivity estimation of range queries in data streams using micro-clustering	Gupta S., Garg D.	CSED	International Arab Journal of Information Technology	2016	
Comprehensive analysis of various rough set tools for data mining	Gupta S., Garhwal S.	CSED	Proceedings on 2016 2nd International Conference on Next Generation Computing Technologies, NGCT 2016	2017	0010-4620
A comparative study of elasticsearch and couch db document oriented databases	Gupta S., Rani R.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	0125-2526

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Pattern matching algorithms for intrusion detection and prevention system: A comparative analysis	Gupta V., Singh M., Bhalla V.K.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	0369-8203
Big Data Analysis with Dataset Scaling in Yet Another Resource Negotiator (YARN)	Gurpreet Singh Bedi, Ashima Singh	CSED	International Journal of Computer Applications (IJCA), vol. 92, no. 5, pp. 46-50, April 2014. Published by Foundation of Computer Science, New York, USA.	2014	0250541X
A robust and efficient three-factor authentication and session key agreement mechanism for SIP	Hafizul Islam S.K., Rajeev V., Amin R.	CSED	Proceedings - 2017 2nd International Conference on Recent Trends and Challenges in Computational Models, ICRTCCM 2017	2017	1230-0535
a new handover authentication protocol based on bilinear pairing functions for wireless networks	He D., Khan M.K., Kumar N.	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2015	
a secure temporal-credential-based mutual authentication and key agreement scheme for wireless sensor networks	He D., Kumar N., Chilamkurti N.	CSED	2013 International Symposium on Wireless and Pervasive Computing, ISWPC 2013	2013	
Lightweight ECC Based RFID Authentication Integrated with an ID Verifier Transfer Protocol	He D., Kumar N., Chilamkurti N., Lee J.-H.	CSED	Journal of Medical Systems	2014	1798-0461
anonymous two-factor authentication for consumer roaming service in global mobility networks	He D., Kumar N., Khan M.K., Lee J.-H.	CSED	IEEE Transactions on Consumer Electronics	2013	0045-7906
Efficient Privacy-Aware Authentication Scheme for Mobile Cloud Computing Services	He D., Kumar N., Khan M.K., Wang L., Shen J.	CSED	IEEE Systems Journal	2018	0895-7177
privacy-preserving data aggregation scheme against internal attackers in smart grids	He D., Kumar N., Lee J.-H.	CSED	Wireless Networks	2016	1617-4909
enhanced three-factor security protocol for consumer usb mass storage devices	He D., Kumar N., Lee J.-H., Sherratt R.	CSED	IEEE Transactions on Consumer Electronics	2014	1546198X
A Provably-Secure Cross-Domain Handshake Scheme with Symptoms-Matching for Mobile Healthcare Social Network	He D., Kumar N., Wang H., Wang L., Choo K.-K.R., Vinel A.	CSED	IEEE Transactions on Dependable and Secure Computing	2018	0010-4620
Certificateless Provable Data Possession Scheme for Cloud-Based Smart Grid Data Management Systems	He D., Kumar N., Zeadally S., Wang H.	CSED	IEEE Transactions on Industrial Informatics	2018	1754-3916

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Battery power and trust based routing strategy for MANET	Heena, Kumar N.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCT 2014	2015	
clustering based resource discovery on internet-of-things	Himanshu Jindal, Singara Singh, Sharad Saxena	CSED	International Journal of Wavelets, Multiresolution and Information Processing	2017	2468-5925
an efficient itinerary management scheme for electric vehicles using aco	Hooda D., Kumar N.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	1546198X
A novel localized approach for efficient delivery of software products	Hooda D., Rani R.	CSED	4th IEEE International Conference on Signal Processing, Computing and Control, ISPCC 2017	2018	0929-6212
b2fse framework for high dimensional imbalanced data: a case study for drug toxicity prediction	Hooda N., Bawa S., Rana P.S.	CSED	Neurocomputing	2017	1932-8184
Fraudulent Firm Classification: A Case Study of an External Audit	Hooda N., Bawa S., Rana P.S.	CSED	Applied Artificial Intelligence	2018	1932-8184
a hybrid nsct domain image watermarking scheme	Hua K.-L., Dai B.-R., Srinivasan K., Hsu Y.-H., Sharma V.	CSED	Eurasip Journal on Image and Video Processing	2017	1524-9050
Anti-forensics techniques: An analytical review	Jain A., Chhabra G.S.	CSED	2014 7th International Conference on Contemporary Computing, IC3 2014	2014	1545-5971
Autonomic point cloud-based surface reconstruction using SVR	Jain K., Pannu H.S.	CSED	Imaging Science Journal	2018	1556-6072
Efficient disparity estimation from stereo images using hybrid-guided image filter	Jain K., Pannu H.S., Singh K., Malhi A.	CSED	Imaging Science Journal	2018	2327-4662
High-Capacity Reversible Data Hiding Using Modified Pixel Value Ordering Approach	Jain N.K., Kasana S.S.	CSED	Journal of Circuits, Systems and Computers	2018	2327-4662
An Efficient Image Forgery Detection Using Biorthogonal Wavelet Transform and Improved Relevance Vector Machine	Jain N.K., Rathore N.K., Mishra A.	CSED	Wireless Personal Communications	2018	1383469X
Modernization of legacy systems: A generalised roadmap	Jain S., Chana I.	CSED	ACM International Conference Proceeding Series	2015	1084-8045
Reengineering process of legacy systems for the cloud: An overview	Jain S., Chana I.	CSED	Proceedings of 2014 3rd International Conference on Parallel, Distributed and Grid Computing, PDGC 2014	2015	0890-8044
evaluating quality score of new ads	Jain S., Garg D.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	

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an efficient storage framework design for cloud computing: deploying compression on de-duplicated no-sql db using hdfs	Jangra A., Bhatia V., Lakhinaza U., Singh N.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	
Efficient regression test selection and recommendation approach for component based software	Janhavi, Singh A.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	2261236X
Authenticated key agreement scheme for fog-driven IoT healthcare system	Jia X., He D., Kumar N., Choo K.-K.R.	CSED	Wireless Networks	2018	
Efficient revocable ID-based encryption with cloud revocation server	Jia X., Kumar N., Choo K.-K.R., He D.	CSED	International Journal of Communication Systems	2018	0369-8203
Sustainable smart energy cyber-physical system: Can electric vehicles suffice its needs?	Jindal A., Aujla G.S., Kumar N., Misra S.	CSED	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings	2018	1742-7371
decision tree and svm-based data analytics for theft detection in smart grid	Jindal A., Dua A., Kaur K., Singh M., Kumar N., Mishra S.	CSED	IEEE Transactions on Industrial Informatics	2016	1454-9069
Providing Healthcare-as-a-Service Using Fuzzy Rule-Based Big Data Analytics in Cloud Computing	Jindal A., Dua A., Kumar N., Das A.K., Vasilakos A.V., Rodrigues J.J.	CSED	IEEE Journal of Biomedical and Health Informatics	2018	0101-8205
an efficient fuzzy rule-based big data analytics scheme for providing healthcare-as-a-service	Jindal A., Dua A., Kumar N., Vasilakos A.V., Rodrigues J.J.P.C.	CSED	IEEE International Conference on Communications	2017	0128-7680
A Heuristic-based Smart HVAC Energy Management Scheme for University Buildings	Jindal A., Kumar N., Rodrigues J.J.	CSED	IEEE Transactions on Industrial Informatics	2018	0334-1860
a data analytical approach using support vector machine for demand response management in smart grid	Jindal A., Kumar N., Singh M.	CSED	IEEE Power and Energy Society General Meeting	2016	1877-0509
Internet of energy-based demand response management scheme for smart homes and PHEVs using SVM	Jindal A., Kumar N., Singh M.	CSED	Future Generation Computer Systems	2018	
A unified framework for big data acquisition, storage, and analytics for demand response management in smart cities	Jindal A., Kumar N., Singh M.	CSED	Future Generation Computer Systems	2018	0334-1860
Consumption-aware data analytical demand response scheme for peak load reduction in smart grid	Jindal A., Singh M., Kumar N.	CSED	IEEE Transactions on Industrial Electronics	2018	
Challenges and issues in underwater acoustics sensor networks: A review	Jindal H., Saxena S., Singh S.	CSED	Proceedings of 2014 3rd International Conference on Parallel, Distributed and Grid Computing, PDGC 2014	2015	1380-7501

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A Novel Shape-Based Character Segmentation Method for Devanagari Script	Jindal K., Kumar R.	CSED	Arabian Journal for Science and Engineering	2017	
A new method for segmentation of pre-detected Devanagari words from the scene images: Pihu method	Jindal K., Kumar R.	CSED	Computers and Electrical Engineering	2018	
a review of ranking approaches for semantic search on web	Jindal V., Bawa S., Batra S.	CSED	Information Processing and Management	2014	
The underlying technologies in WSNs: ZigBee vs. wireless HART	Jindal V., Verma A.K.	CSED	2015 12th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2015	2016	0920-8542
Polynomial differential quadrature method for numerical solutions of the generalized Fitzhugh-Nagumo equation with time-dependent coefficients	Jiwari R., Gupta R.K., Kumar V.	CSED	Ain Shams Engineering Journal	2014	
comparative analysis of twitter data using supervised classifiers	Joshi R., Tekchandani R.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
tree based energy efficient routing scheme for body area network	Juneja P., Jain S.	CSED	Conference Proceeding - 2015 International Conference on Advances in Computer Engineering and Applications, ICACEA 2015	2015	
debugging and visualization techniques for multithreaded programs: a survey	Jyoti A., Arora V.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	
visualization of deadlock and wait-notify anomaly in multithreaded programs	Jyoti A., Arora V.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	1939-0114
collaborating trust and item-prediction with ant colony for recommendation	Kaleroun A., Batra S.	CSED	2014 7th International Conference on Contemporary Computing, IC3 2014	2014	1074-5351
fuzzy state grammar and fuzzy deep pushdown automaton	Kalra N., Kumar A.	CSED	Journal of Intelligent and Fuzzy Systems	2016	1939-0114
state grammar and deep pushdown automata for biological sequences of nucleic acidshpfcsl	Kalra N., Kumar A.	CSED	Current Bioinformatics	2016	
A range-based approach for long-term forecast of weather using probabilistic markov model	Kaneriya S., Tanwar S., Buddhadev S., Verma J.P., Tyagi S., Kumar N., Misra S.	CSED	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings	2018	1615-5262

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
artificial bee colony based energy-aware resource utilization technique for cloud computing	Kansal N.J., Chana I.	CSED	Concurrency Computation	2015	1939-0114
performance analysis of leach and its variants	Kansal S., Bhatia T., Goel S.	CSED	2nd International Conference on Electronics and Communication Systems, ICECS 2015	2015	1816353X
application of bloom filter for duplicate url detection in a web crawler	Kapoor A., Arora V.	CSED	Proceedings - 2016 IEEE 2nd International Conference on Collaboration and Internet Computing, IEEE CIC 2016	2017	1300-0632
Hierarchical chord-based resource discovery in intercloud environment	Kapoor L., Bawa S., Gupta A.	CSED	Proceedings - 2013 IEEE/ACM 6th International Conference on Utility and Cloud Computing, UCC 2013	2013	1687-1820
A novel mechanism for dynamic optimization of intercloud services	Kapoor L., Bawa S., Gupta A.	CSED	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2014	1311-8080
Security on "secure remote login scheme with password and smart card update facilities"	Karuppiyah M., Pradhan A., Kumari S., Amin R., Rajkumar S., Kumar R.	CSED	Communications in Computer and Information Science	2017	1311-8080
Steganography technique for JPEG2000 compressed images using histogram in wavelet domain	Kasana G., Singh K., Bhatia S.S.	CSED	International Journal of Security and its Applications	2014	1303-9709
Punjabi document classification using vector evaluation method	Katnoria M., Singh V., Kumar R.	CSED	Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017	2018	1303-9709
extending feistel structure to dna cryptography	Kaundal A.K., Verma A.K.	CSED	Journal of Discrete Mathematical Sciences and Cryptography	2015	0033-0337
human activity recognition using ensemble modelling	Kaur A., Sharma S.	CSED	Communications in Computer and Information Science	2016	
Keyword extraction using machine learning approaches	Kaur B., Jain S.	CSED	Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017	2018	1895-1767
Tensor-based Big Data Management Scheme for Dimensionality Reduction Problem in Smart Grid Systems: SDN Perspective	Kaur D., Aujla G.S., Kumar N., Zomaya A., Perera C., Ranjan R.	CSED	IEEE Transactions on Knowledge and Data Engineering	2018	2214-2096
variable bid fee: an online auction shill bidding prevention methodology	Kaur D., Garg D.	CSED	Souvenir of the 2015 IEEE International Advance Computing Conference, IACC 2015	2015	0148-5598

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
anatomy of ransomware malware: detection, analysis and reporting	Kaur G., Dhir R., Singh M.	CSED	International Journal of Security and Networks	2017	
HPCC: An ensembled framework for the prediction of the onset of diabetes	Kaur H., Batra S.	CSED	4th IEEE International Conference on Signal Processing, Computing and Control, ISPPCC 2017	2018	1877-0509
Machine learning approaches to predict basketball game outcome	Kaur H., Jain S.	CSED	Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017	2018	1474-6670
An efficient multi-party scheme for privacy preserving collaborative filtering for healthcare recommender system	Kaur H., Kumar N., Batra S.	CSED	Future Generation Computer Systems	2018	1537744X
anomaly detection survey for information security	Kaur H., Pannu H.S.	CSED	ACM International Conference Proceeding Series	2017	1743-8225
Commentary upon descriptive data analytics	Kaur H., Phutela A.	CSED	Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018	2018	
a review on node replication attack identification schemes in wsn	Kaur H., Saxena S.	CSED	8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017	2017	0163-6804
UWDBCSN analysis during node replication attack in WSN	Kaur H., Saxena S.	CSED	Handbook of Research on Information Security in Biomedical Signal Processing	2018	
An adaptive quad tree based transform domain steganography for textual data	Kaur J., Pandey S.	CSED	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	1568-4946
Mobile agent information security in ad-hoc network	Kaur J., Saxena S., Jain A.	CSED	2014 International Conference on Computation of Power, Energy, Information and Communication, ICCPEIC 2014	2014	
Securing mobile agent's information in ad-hoc network	Kaur J., Saxena S., Sayeed M.A.	CSED	Proceedings of the 5th International Conference on Confluence 2014: The Next Generation Information Technology Summit	2014	
Smart grid with cloud computing: Architecture, security issues and defense mechanism	Kaur K., Kumar N.	CSED	9th International Conference on Industrial and Information Systems, ICIIS 2014	2015	1877-0509
lightweight authentication protocol for rfid-enabled systems based on ecc	Kaur K., Kumar N., Singh M., Obaidat M.S.	CSED	2016 IEEE Global Communications Conference, GLOBECOM 2016 - Proceedings	2016	

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a colored petri net based frequency support scheme using fleet of electric vehicles in smart grid environment	Kaur K., Rana R., Kumar N., Singh M., Mishra S.	CSED	IEEE Transactions on Power Systems	2016	1568-4946
Modeling and querying data in NoSQL databases	Kaur K., Rani R.	CSED	Proceedings - 2013 IEEE International Conference on Big Data, Big Data 2013	2013	0334-1860
fleet of electric vehicles for frequency support in smart grid using 2-layer hierarchical control mechanism	Kaur K., Singh M., Kumar N.	CSED	IEEE Power and Energy Society General Meeting	2016	
multiobjective optimization for frequency support using electric vehicles: an aggregator-based hierarchical control mechanism	Kaur K., Singh M., Kumar N.	CSED	IEEE Systems Journal	2017	
Software component selection using code metrics based evaluation	Kaur L.	CSED	12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015	2016	2194-5357
An empirical analysis for predicting source code file reusability using meta-classification algorithms	Kaur L., Mishra A.	CSED	Advances in Intelligent Systems and Computing	2018	0929-6212
Fourier-Mellin moment-based intertwining map for image encryption	Kaur M., Kumar V.	CSED	Modern Physics Letters B	2018	0929-6212
Colour image encryption technique using differential evolution in non-subsampled contourlet transform domain	Kaur M., Kumar V.	CSED	IET Image Processing	2018	
Efficient image encryption method based on improved Lorenz chaotic system	Kaur M., Kumar V.	CSED	Electronics Letters	2018	0929-6212
Color image encryption approach based on memetic differential evolution	Kaur M., Kumar V., Li L.	CSED	Neural Computing and Applications	2018	1754-3916
community detection in complex networks: a novel approach based on ant lion optimizer	Kaur M., Mahajan A.	CSED	Advances in Intelligent Systems and Computing	2017	0127-9084
a review of security techniques for mobile agents	Kaur M., Saxena S.	CSED	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2017	2017	2307-4108
on solving partition driven standard cell placement problem using firefly-based metaheuristic approach	Kaur M., Sharma P.K.	CSED	International Journal of Bio-Inspired Computation	2017	1877-0509
a novel hybrid technique for low exposure image enhancement using sub-image histogram equalization and artificial neural network	Kaur M., Verma K.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	2331-1916

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SCARP: Scalable congestion aware replication protocol	Kaur N., Kumar N.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	
botnet and botnet detection techniques in cyber realm	Kaur N., Singh M.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	0929-6212
improved file system security through restrictive access	Kaur N., Singh M.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	0177-0667
design and develop a framework for social networking analysis	Kaur N., Singh M., Singh V.P.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	0929-6212
vehicular clustering based on future position estimation for highway scenario	Kaur P., Bali R.S.	CSED	12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015	2016	
m-dart based asynchronous file sharing scheme in vanet	Kaur P., Bali R.S., Kaur A.	CSED	Procedia Computer Science	2015	
Shilling attack models in recommender system	Kaur P., Goel S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	1877-0509
comparative analysis of continuous and discrete orthogonal moments for face recognition	Kaur P., Pannu H.S.	CSED	Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017	2017	
Nature-inspired optimization techniques in VANETs and FANETs: A survey	Kaur P., Singh A.	CSED	Advances in Intelligent Systems and Computing	2018	1064-1246
behavior analysis of multifarious cloud applications	Kaur P.D., Chana I.	CSED	Proceedings - 2014 4th International Conference on Advances in Computing and Communications, ICACC 2014	2014	2169-3536
hamnosys generation system for sign language	Kaur R., Kumar P.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	1018-6301

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Sign language based SMS generator for hearing impaired people	Kaur R., Kumar P.	CSED	ICCIDS 2017 - International Conference on Computational Intelligence in Data Science, Proceedings	2018	
automatic evaluation and signature generation technique for thwarting zero-day attacks	Kaur R., Singh M.	CSED	Communications in Computer and Information Science	2014	1613-0073
efficient hybrid technique for detecting zero-day polymorphic worms	Kaur R., Singh M.	CSED	Souvenir of the 2014 IEEE International Advance Computing Conference, IACC 2014	2014	
two-level automated approach for defending against obfuscated zero-day attacks	Kaur R., Singh M.	CSED	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2015	0571-7256
a review on energy aware vm placement and consolidation techniques	Kaur S., Bawa S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	1454-9069
Design of financial inclusion system for rural India	Kaur S., Girnar N.	CSED	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2017	2017	
Jellyfish attack in MANETs: A review	Kaur S., Kaur R., Verma A.K.	CSED	Proceedings of 2015 IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2015	2015	
Plants Disease Identification and Classification Through Leaf Images: A Survey	Kaur S., Pandey S., Goel S.	CSED	Archives of Computational Methods in Engineering	2018	
A proactive framework for automatic detection of zero-day HTTP attacks on educational institutions	Kaur S., Singh M.	CSED	Computer Fraud and Security	2015	1089-7798
energy efficiency techniques in cloud computing: a survey and taxonomy	Kaur T., Chana I.	CSED	ACM Computing Surveys	2015	1433-7541
GreenSched: An intelligent energy aware scheduling for deadline-and-budget constrained cloud tasks	Kaur T., Chana I.	CSED	Simulation Modelling Practice and Theory	2018	0974-6846
cost model for software as a service	Kaur T., Kaur D., Aggarwal A.	CSED	Proceedings of the 5th International Conference on Confluence 2014: The Next Generation Information Technology Summit	2014	0368492X

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
application of data mining for high accuracy prediction of breast tissue biopsy results	Kaushik D., Kaur K.	CSED	2016 3rd International Conference on Digital Information Processing, Data Mining, and Wireless Communications, DIPDMWC 2016	2016	
multilevel ensemble model for prediction of iga and igg antibodies	Khanna D., Rana P.S.	CSED	Immunology Letters	2017	2156-7018
Classification of SQL injection attacks using fuzzy tainting	Khanna S., Verma A.K.	CSED	Advances in Intelligent Systems and Computing	2018	1816353X
bus arrival time prediction using a modified amalgamation of fuzzy clustering and neural network on spatio-temporal data	Khetarpaul S., Gupta S.K., Malhotra S., Subramaniam L.V.	CSED	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2015	1550-1329
Prediction based proactive thermal virtual machine scheduling in green clouds	Kinger S., Kumar R., Sharma A.	CSED	The Scientific World Journal	2014	0929-6212
Analogize process mining techniques in healthcare: Sepsis case study	Kukreja G., Batra S.	CSED	4th IEEE International Conference on Signal Processing, Computing and Control, ISPC 2017	2018	0929-6212
Histogram based multilevel reversible data hiding scheme using simple and absolute difference images	Kukreja S., Kasana S.S., Kasana G.	CSED	Multimedia Tools and Applications	2018	1343-4500
container-as-a-service at the edge: trade-off between energy efficiency and service availability at fog nano data centers	Kuljeet Kaur, Tanya Dhand, Neeraj Kumar, Sherali Zeadally	CSED	IEEE Wireless Commun. 24(3)	2017	0092-7872
ensemble approach to detect profile injection attack in recommender system	Kumar A., Garg D., Rana P.S.	CSED	2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015	2015	1550-2287
combined artificial bee colony algorithm and machine learning techniques for prediction of online consumer repurchase intention	Kumar A., Kabra G., Mussada E.K., Dash M.K., Rana P.S.	CSED	Neural Computing and Applications	2017	1932-2135
Evolving state grammar for modeling DNA and RNA structures	Kumar A., Kalra N., Garhwal S.	CSED	International Journal of Engineering and Technology(UAE)	2018	1742-8297
Error tolerance for the recognition of faulty strings in a regulated grammar using fuzzy sets	Kumar A., Kalra N., Garhwal S.	CSED	Sadhana - Academy Proceedings in Engineering Sciences	2018	
an improved algorithm for the metamorphosis of semi-extended regular expressions to deterministic finite automata	Kumar A., Verma A.K.	CSED	Computer Journal	2015	2195-2965

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conversion of parallel regular expressions to non-deterministic finite automata using partial derivatives	Kumar A., Verma A.K.	CSED	Chiang Mai Journal of Science	2014	
Feature selection techniques to counter class imbalance problem for aging related bug prediction	Kumar L., Sureka A.	CSED	ACM International Conference Proceeding Series	2018	
Analyzing Twitter sentiments through big data	Kumar M., Bala A.	CSED	Proceedings of the 10th INDIACOM; 2016 3rd International Conference on Computing for Sustainable Global Development, INDIACOM 2016	2016	1353-3452
a novel framework for grading of writers using offline gurmukhi characters	Kumar M., Jindal M.K., Sharma R.K.	CSED	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2016	0309-1902
a novel technique for line segmentation in offline handwritten gurmukhi script documents	Kumar M., Jindal M.K., Sharma R.K.	CSED	National Academy Science Letters	2017	
Weka-based classification techniques for offline handwritten gurmukhi character recognition	Kumar M., Jindal M.K., Sharma R.K.	CSED	Advances in Intelligent Systems and Computing	2014	1089-7798
Offline handwritten pre-segmented character recognition of gurmukhi script	Kumar M., Jindal M.K., Sharma R.K., Jindal S.R.	CSED	Machine Graphics and Vision	2016	0022-0000
Offline Handwritten Numeral Recognition using Combination of Different Feature Extraction Techniques	Kumar M., Jindal M.K., Sharma R.K., Jindal S.R.	CSED	National Academy Science Letters	2018	1532-0626
Character and numeral recognition for non-Indic and Indic scripts: a survey	Kumar M., Jindal M.K., Sharma R.K., Jindal S.R.	CSED	Artificial Intelligence Review	2018	1335-9150
survey on wireless sensor networks using mac protocol	Kumar M., Pandey K., Sharma M.M.	CSED	9th International Conference on Industrial and Information Systems, ICIIS 2014	2015	1018-4864
Size of training set vis-à-vis recognition accuracy of handwritten character recognition system	Kumar M., Sharma R.K., Jindal M.K.	CSED	Journal of Emerging Technologies in Web Intelligence	2013	1074-5351
load balancing aware multiparty secure group communication for online services in wireless mesh networks	Kumar N.	CSED	Security, Design, and Architecture for Broadband and Wireless Network Technologies	2013	
collaborative trust aware intelligent intrusion detection in vanets	Kumar N., Chilamkurti N.	CSED	Computers and Electrical Engineering	2014	
ubmr-ca: utility-based multicast routing and channel assignment with varying traffic demands in multi-radio multi-channel wireless mesh networks	Kumar N., Chilamkurti N., Lee J.-H.	CSED	Mathematical and Computer Modelling	2013	
alca: agent learning-based clustering algorithm in vehicular ad hoc networks	Kumar N., Chilamkurti N., Park J.H.	CSED	Personal and Ubiquitous Computing	2013	0013-5194

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
a probabilistic multi constraints variable bit rate multimedia service selection in wireless mesh networks	Kumar N., Chilamkurti N., Rho S.	CSED	Sensor Letters	2013	
learning automata-based opportunistic data aggregation and forwarding scheme for alert generation in vehicular ad hoc networks	Kumar N., Chilamkurti N., Rodrigues J.J.P.C.	CSED	Computer Communications	2014	0020-0255
achieving quality of service (qos) using resource allocation and adaptive scheduling in cloud computing with grid support	Kumar N., Chilamkurti N., Zeadally S., Jeong Y.-S.	CSED	Computer Journal	2014	1089-7798
editorial	Kumar N., Chilamkurti N., Zeadally S., Ke C.-H.	CSED	International Journal of Communication Networks and Distributed Systems	2014	2093-5374
learning automata based contention aware data forwarding scheme for safety applications in vehicular ad hoc networks	Kumar N., Iqbal R., James A., Dua A.	CSED	Proceedings - 2013 IEEE 10th International Conference on e-Business Engineering, ICEBE 2013	2013	1089-7798
collaborative p2p context-aware information propagation in vehicular ad hoc networks	Kumar N., Iqbal R., James A.E., Dua A.	CSED	Proceedings of the 2015 IEEE 19th International Conference on Computer Supported Cooperative Work in Design, CSCWD 2015	2015	
an intelligent approach for building a secure decentralized public key infrastructure in vanet	Kumar N., Iqbal R., Misra S., Rodrigues J.J.P.C.	CSED	Journal of Computer and System Sciences	2015	1084-8045
Bayesian Cooperative Coalition Game as a Service for RFID-Based Secure QoS Management in Mobile Cloud	Kumar N., Iqbal R., Misra S., Rodrigues J.J.P.C., Obaidat M.S.	CSED	IEEE Transactions on Emerging Topics in Computing	2018	1574017X
providing healthcare services on-the-fly using multi-player cooperation game theory in internet of vehicles (ioV) environment	Kumar N., Kaur K., Jindal A., Rodrigues J.J.P.C.	CSED	Digital Communications and Networks	2015	
an advanced energy efficient data dissemination for heterogeneous wireless sensor networks	Kumar N., Kim J.	CSED	Sensor Letters	2013	
elacca: efficient learning automata based cell clustering algorithm for wireless sensor networks	Kumar N., Kim J.	CSED	Wireless Personal Communications	2013	
probabilistic trust aware data replica placement strategy for online video streaming applications in vehicular delay tolerant networks	Kumar N., Kim J.	CSED	Mathematical and Computer Modelling	2013	
peer-to-peer cooperative caching for data dissemination in urban vehicular communications	Kumar N., Lee J.-H.	CSED	IEEE Systems Journal	2014	

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energy-efficient multimedia data dissemination in vehicular clouds: stochastic-reward-nets-based coalition game approach	Kumar N., Lee J.-H., Chilamkurti N., Vinel A.	CSED	IEEE Systems Journal	2016	
intelligent mobile video surveillance system as a bayesian coalition game in vehicular sensor networks: learning automata approach	Kumar N., Lee J.-H., Rodrigues J.J.P.C.	CSED	IEEE Transactions on Intelligent Transportation Systems	2015	
bayesian coalition negotiation game as a utility for secure energy management in a vehicles-to-grid environment	Kumar N., Misra S., Chilamkurti N., Lee J.-H., Rodrigues J.J.P.C.	CSED	IEEE Transactions on Dependable and Secure Computing	2016	
routing as a bayesian coalition game in smart grid neighborhood area networks: learning automata-based approach	Kumar N., Misra S., Obaidat M.S.	CSED	2014 IEEE International Conference on Communications, ICC 2014	2014	1551-6857
playing the smart grid game: performance analysis of intelligent energy harvesting and traffic flow forecasting for plug-in electric vehicles	Kumar N., Misra S., Rodrigues J.J.P.C., Lee J.-H., Obaidat M.S., Chilamkurti N.	CSED	IEEE Vehicular Technology Magazine	2015	1460-6739
coalition games for spatio-temporal big data in internet of vehicles environment: a comparative analysis	Kumar N., Misra S., Rodrigues J.J.P.C., Obaidat M.S.	CSED	IEEE Internet of Things Journal	2015	0973-4562
bayesian coalition game as-a-service for content distribution in internet of vehicles	Kumar N., Rodrigues J.J.P.C., Chilamkurti N.	CSED	IEEE Internet of Things Journal	2014	2194-5357
replication-aware data dissemination for vehicular ad hoc networks using location determination	Kumar N., Rodrigues J.J.P.C., Lloret J., Dua A.	CSED	Mobile Networks and Applications	2015	
la-eehsc: learning automata-based energy efficient heterogeneous selective clustering for wireless sensor networks	Kumar N., Tyagi S., Deng D.-J.	CSED	Journal of Network and Computer Applications	2014	
Performance analysis of Bayesian coalition game-based energy-aware virtual machine migration in vehicular mobile cloud	Kumar N., Zeadally S., Chilamkurti N., Vinel A.	CSED	IEEE Network	2015	
intelligent stock data prediction using predictive data mining techniques	Kumar P., Bala A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	1368-2199
MVO-based Two-Dimensional Path Planning Scheme for Providing Quality of Service in UAV Environment	Kumar P., Garg S., Singh A., Batra S., Kumar N., You I.	CSED	IEEE Internet of Things Journal	2018	1368-2199
universal networking language: a framework for emerging nlp applications	Kumar P., Goel K.	CSED	India International Conference on Information Processing, IICIP 2016 - Proceedings	2017	0950-0340

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mobile applications: analyzing private data leakage using third party connections	Kumar P., Singh M.	CSED	2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015	2015	
Arrival based deadline aware job scheduling algorithm in cloud	Kumar R., Gupta S.	CSED	4th IEEE International Conference on Signal Processing, Computing and Control, ISPPC 2017	2018	
min-parent: an effective approach to enhance resource utilization in cloud environment	Kumar R., Kalra M., Tanwar S., Tyagi S., Kumar N.	CSED	Proceedings - 2016 International Conference on Advances in Computing, Communication and Automation, ICACCA 2016	2016	
a bio-inspired approach for power and performance aware resource allocation in clouds	Kumar R., Kumar A., Sharma A.	CSED	MATEC Web of Conferences	2016	
Editorial: Wireless sensor network: Design, architecture, application, data communication security and management	Kumar R., Mittal M., Sharma H., Rana P.S.	CSED	International Journal of Sensors, Wireless Communications and Control	2017	
Interface aware scheduling of tasks on cloud	Kumar R., Setia S.	CSED	4th IEEE International Conference on Signal Processing, Computing and Control, ISPPC 2017	2018	
an efficient post processing algorithm for online handwriting gurmukhi character recognition using set theory	Kumar R., Sharma R.K.	CSED	International Journal of Pattern Recognition and Artificial Intelligence	2013	1084-8045
Recognition of Multi-Stroke Based Online Handwritten Gurmukhi Aksharas	Kumar R., Sharma R.K., Sharma A.	CSED	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2015	0929-6212
parameter optimization for h.265/hevc encoder using nsga ii	Kumar S., Gupta S., Singh V., Khokhar M., Rana P.S.	CSED	Advances in Intelligent Systems and Computing	2017	0267-6192
an advanced forwarding routing protocol for urban scenarios in vanets	Kumar S., Verma A.K.	CSED	International Journal of Pervasive Computing and Communications	2017	0163-5808
Topological solitons and Lie symmetry analysis for the Kadomtsev-Petviashvili-Burgers equation with power law nonlinearity in dusty plasmas	Kumar S., Zerrad E., Yildirim A., Biswas A.	CSED	Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science	2013	
Reliable Distribution Network Design with Link Disruption Using Cross Decomposition	Kumar V., Anand R.	CSED	Procedia Computer Science	2018	
A hybrid initial-value technique for singularly perturbed boundary value problems	Kumar V., Bawa R.K., Lal A.K.	CSED	Computational and Applied Mathematics	2013	1877-0509
data clustering using differential search algorithm	Kumar V., Chhabra J.K., Kumar D.	CSED	Pertanika Journal of Science and Technology	2016	
grey wolf algorithm-based clustering technique	Kumar V., Chhabra J.K., Kumar D.	CSED	Journal of Intelligent Systems	2017	
optimal choice of parameters for fireworks algorithm	Kumar V., Chhabra J.K., Kumar D.	CSED	Procedia Computer Science	2015	1867-4534

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Lie symmetry based-analytical and numerical approach for modified Burgers-KdV equation	Kumar V., Kaur L., Kumar A., Koksai M.E.	CSED	Results in Physics	2018	0952-1976
performance evaluation of modified color image steganography using discrete wavelet transform	Kumar V., Kumar D.	CSED	Journal of Intelligent Systems	2017	0888613X
Automatic clustering and feature selection using gravitational search algorithm and its application to microarray data analysis	Kumar V., Kumar D.	CSED	Neural Computing and Applications	2018	
A modified DWT-based image steganography technique	Kumar V., Kumar D.	CSED	Multimedia Tools and Applications	2018	0030-4026
Gene Expression Data Clustering Using Variance-based Harmony Search Algorithm	Kumar V., Kumar D.	CSED	IETE Journal of Research	2018	1570-7873
An efficient and robust approach for biomedical image retrieval using Zernike moments	Kumar Y., Aggarwal A., Tiwari S., Singh K.	CSED	Biomedical Signal Processing and Control	2018	0219-1377
school bus routing based on branch and bound approach	Kumar Y., Jain S.	CSED	IEEE International Conference on Computer Communication and Control, IC4 2015	2016	1064-1246
auction based resource allocation strategy for infrastructure as a service	Kumari A., Jain S.	CSED	2016 International Conference on Computational Techniques in Information and Communication Technologies, ICCTICT 2016 - Proceedings	2016	1938-7741
a conceptual comparison of nsga-ii, omopso and abyss algorithms	Kumari R., Kumar D., Kumar V.	CSED	International Journal of Internet Technology and Secured Transactions	2017	0030-4026
a secure authentication scheme based on elliptic curve cryptography for iot and cloud servers	Kumari S., Karupiah M., Das A.K., Li X., Wu F., Kumar N.	CSED	Journal of Supercomputing	2017	
Combining synthetic minority oversampling technique and subset feature selection technique for class imbalance problem	Lachheta P., Bawa S.	CSED	ACM International Conference Proceeding Series	2016	
fuzzy based expert system for diabetes diagnosis and insulin dosage control	Lalka N., Jain S.	CSED	International Conference on Computing, Communication and Automation, ICCCA 2015	2015	1863-1703
improved cure clustering for big data using hadoop and mapreduce	Lathiya P., Rani R.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	1432-7643
Certificateless searchable public key encryption scheme for industrial internet of things	Ma M., He D., Kumar N., Choo K.-K.R., Chen J.	CSED	IEEE Transactions on Industrial Informatics	2018	0167-8655

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Evolution of scientific collaboration networks	Madaan G., Jolad S.	CSED	Proceedings - 2014 IEEE International Conference on Big Data, IEEE Big Data 2014	2015	1935-0090
Implementing a 3-way approach of clone detection and removal using PC Detector tool	Mahajan G., Bharti M.	CSED	Souvenir of the 2014 IEEE International Advance Computing Conference, IACC 2014	2014	
ads: protecting ntfs from hacking	Mahajan R., Singh M., Miglani S.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	
Performance analysis of efficient RSA text encryption Using NVIDIA CUDA-C and OpenCL	Mahajan S., Singh M.	CSED	ACM International Conference Proceeding Series	2014	
Towards energy-aware fog-enabled cloud of things for healthcare	Mahmoud M.M.E., Rodrigues J.J.P.C., Saleem K., Al-Muhtadi J., Kumar N., Korotaev V.	CSED	Computers and Electrical Engineering	2018	1520-9202
an enhanced multi-server authentication protocol using password and smart-card: cryptanalysis and design	Maitra T., Islam S.K.H., Amin R., Giri D., Khan M.K., Kumar N.	CSED	Security and Communication Networks	2016	
a robust elgamal-based password-authentication protocol using smart card for client-server communication	Maitra T., Obaidat M.S., Amin R., Islam S.K.H., Chaudhry S.A., Giri D.	CSED	International Journal of Communication Systems	2017	
security analysis and design of an efficient ecc-based two-factor password authentication scheme	Maitra T., Obaidat M.S., Islam S.K.H., Giri D., Amin R.	CSED	Security and Communication Networks	2016	
spammer classification using ensemble methods over content-based features	Makkar A., Goel S.	CSED	Advances in Intelligent Systems and Computing	2017	
User behavior analysis-based smart energy management for webpage ranking: Learning automata-based solution	Makkar A., Kumar N.	CSED	Sustainable Computing: Informatics and Systems	2018	
privacy-preserving authentication framework using bloom filter for secure vehicular communications	Malhi A., Batra S.	CSED	International Journal of Information Security	2016	1074-5351
genetic-based framework for prevention of masquerade and ddos attacks in vehicular ad-hoc networks	Malhi A.K., Batra S.	CSED	Security and Communication Networks	2016	1936-6442

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xml based wireless patient monitoring system using vehicular ad-hoc networks	Malhi A.K., Batra S.	CSED	Proceedings - 15th IEEE International Conference on Computer and Information Technology, CIT 2015, 14th IEEE International Conference on Ubiquitous Computing and Communications, IUCC 2015, 13th IEEE International Conference on Dependable, Autonomic and Secure Computing, DASC 2015 and 13th IEEE International Conference on Pervasive Intelligence and Computing, PICom 2015	2015	
Decision inference system for misbehavior detection in VANETs	Malhi A.K., Batra S.	CSED	2nd International Conference on Electronics and Communication Systems, ICECS 2015	2015	1074-5351
Resource scheduling in cloud using harmony search	Malik C., Jain S., Randhawa S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	
progressive cfm-miner: an algorithm to mine cfm - sequential patterns from a progressive database	Mallick B., Garg D., Grover P.S.	CSED	International Journal of Computational Intelligence Systems	2013	
comparison of human and machine based facial expression classification	Mandal M., Poddar S., Das A.	CSED	International Conference on Computing, Communication and Automation, ICCCA 2015	2015	0045-7906
a computational review of identity-based signcryption schemes	Mandal M., Sharma G., Verma A.K.	CSED	International Journal of Network Security	2016	1018-4864
searching of near exact duplicate images in cloud database	Maneesha, Chana I.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	1877-0509
rapidly converging solution for p-centers in nonconvex regions	Mangla M., Garg D.	CSED	Turkish Journal of Electrical Engineering and Computer Sciences	2017	1752-6418
A common fixed point theorem for two weakly compatible pairs in G-metric spaces using the property E.A	Manro S., Bhatia S.S., Kumar S., Vetro C.	CSED	Fixed Point Theory and Applications	2013	1018-4864
Common fixed point theorems for weakly commuting mappings with property (E.A.) in intuitionistic fuzzy metric spaces	Manro S., Kang S.M.	CSED	International Journal of Pure and Applied Mathematics	2014	0018-9162
Fixed points for three contractive mappings in three fuzzy metric spaces	Manro S., Kang S.M.	CSED	International Journal of Pure and Applied Mathematics	2014	1537744X

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Common fixed point theorems for single valued weakly compatible maps in metric space	Manro S., Tomar A.	CSED	Gazi University Journal of Science	2014	0941-0643
Coincidence and common fixed point theorems in fuzzy metric spaces using a meir-keeler type contractive condition	Manro S., Tomar A., Rhoades B.E.	CSED	Gazi University Journal of Science	2014	0256-2499
Performance and accuracy analysis of semantic kernel functions	Manuja M., Garg D.	CSED	Program	2016	
Design of 3-factor strict local language in ethological data mining of bengalese Finch's and White-Rumped Munia's song	Mathur P., Dagar V., Kumar A.	CSED	ICNC-FSKD 2017 - 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery	2018	0264-4401
method to resolve software product line errors	Megha, Negi A., Kaur K.	CSED	Communications in Computer and Information Science	2017	
efficient clustering based olsr routing protocol for vanet	Mehra R., Bali R.S., Kaur P.	CSED	2016 Symposium on Colossal Data Analysis and Networking, CDAN 2016	2016	
bootstrap sequential projection multi kernel locality sensitive hashing	Mehta H., Garg D.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	
remote sensing image contrast and brightness enhancement based on cuckoo search and dtcwt-svd	Mehta R., Gill D.S., Pannu H.S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
Combining naive bayes and adjective analysis for sentiment detection on Twitter	Mertiya M., Singh A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	2040-7459
trust based energy efficient routing in leach for wireless sensor network	Miglani A., Bhatia T., Goel S.	CSED	Global Conference on Communication Technologies, GCCT 2015	2015	0921-0296
an energy efficient and trust aware framework for secure routing in leach for wireless sensor networks	Miglani A., Bhatia T., Sharma G., Shrivastava G.	CSED	Scalable Computing	2017	0929-6212
multi agent paradigm used to complexity measure for perfective software maintenance	Mishra A., Srivastava V.	CSED	Asia-Pacific World Congress on Computer Science and Engineering, APWC on CSE 2014	2014	0129-0541
Churn prediction in telecommunication using machine learning	Mishra K., Rani R.	CSED	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	

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Secure data mining in cloud using homomorphic encryption	Mittal D., Kaur D., Aggarwal A.	CSED	2014 IEEE International Conference on Cloud Computing in Emerging Markets, CCEM 2014	2015	0030-4026
modified single pass clustering algorithm based on median as a threshold similarity value	Mittal M., Sharma R.K., Singh V.P., Goyal L.M.	CSED	Collaborative Filtering Using Data Mining and Analysis	2016	2168-2194
implementation of phonetic level speech recognition system for punjabi language	Mittal S., Kaur R.	CSED	India International Conference on Information Processing, IICIP 2016 - Proceedings	2017	
design of authentication protocol for wireless sensor network-based smart vehicular system	Mohit P., Amin R., Biswas G.P.	CSED	Vehicular Communications	2017	1545-5971
a standard mutual authentication protocol for cloud computing based health care system	Mohit P., Amin R., Karati A., Biswas G.P., Khan M.K.	CSED	Journal of Medical Systems	2017	
Nature-Inspired Algorithm for Training Multilayer Perceptron Networks in e-health Environments for High-Risk Pregnancy Care	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Al-Muhtadi J., Korotaev V.	CSED	Journal of Medical Systems	2018	1617-4909
Evolutionary radial basis function network for gestational diabetes data analytics	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Al-Muhtadi J., Korotaev V.	CSED	Journal of Computational Science	2018	0974-6846
Multilayer perceptron application for diabetes mellitus prediction in pregnancy care	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Niu J., Sangaiah A.K.	CSED	Lecture Notes in Electrical Engineering	2018	1932-6203
Performance Assessment of Decision Tree-Based Predictive Classifiers for Risk Pregnancy Care	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Niu J., Woungang I.	CSED	2017 IEEE Global Communications Conference, GLOBECOM 2017 - Proceedings	2018	1380-7501
software perspective to underwater acoustic sensors network	Mourya G., Jindal H., Saxena S.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	
FR: A Recommender for Finding Faculty Based on CF Technique	Nagpal D., Kaur S., Gujral S., Singh A.	CSED	Procedia Computer Science	2015	2307-1885
Semantic search engine and its strategies with IAN encoder	Nanda S., Bhatia P.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCT 2014	2015	1868-8071
creation of lexical relations for indowordnet	Narang A., Sharma R.K., Kumar P.	CSED	GWC 2014: Proceedings of the 7th Global Wordnet Conference	2014	1537-6494
Neural network based parts of speech tagger for Hindi	Narayan R., Chakraverty S., Singh V.P.	CSED	IFAC Proceedings Volumes (IFAC-PapersOnline)	2014	1546-2234
quantum neural network based machine translator for hindi to english	Narayan R., Singh V.P., Chakraverty S.	CSED	The Scientific World Journal	2014	1877-0509

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qslb: queue size based single path load balancing routing protocol for manets	Naseem M., Kumar C.	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2017	0038-0644
variable threshold based hierarchical load balancing technique in grid	Neeraj Kumar Rathore and Inderveer Chana	CSED	Engineering with computers	2014	
a multi-tenant cloud-based dc nano grid for self-sustained smart buildings in smart cities	Neeraj Kumar, Athanasios V. Vasilakos, Joel J. P. C. Rodrigues	CSED	<u>IEEE Communications Magazine</u> 55(3)	2017	
vector method for ranking of sensors in iot	Neha, Saxena S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
Associative Memory Model for Distorted On-Line Devanagari Character Recognition	Pagare G., Verma K.	CSED	Proceedings - 2015 5th International Conference on Advances in Computing and Communications, ICACC 2015	2016	9781467369947
Halftone visual cryptography for color images	Pahuja S., Kasana S.S.	CSED	2017 International Conference on Computer, Communications and Electronics, COMTELIX 2017	2017	9781509047086
Prediction of heart disease using hybrid technique for selecting features	Pahwa K., Kumar R.	CSED	2017 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics, UPCON 2017	2018	134093
commentary on "evaluating the criteria for human resource for science and technology (hrst) based on an integrated fuzzy ahp and fuzzy dematel approach"	Pandey A., Kumar A.	CSED	Applied Soft Computing Journal	2017	
a comprehensive study on clustering approaches for big data mining	Pandove D., Goel S.	CSED	2nd International Conference on Electronics and Communication Systems, ICECS 2015	2015	9781479972241
prototyping and in-depth analysis of big data benchmarking	Pandove D., Goel S.	CSED	Proceedings - 15th IEEE International Conference on Computer and Information Technology, CIT 2015, 14th IEEE International Conference on Ubiquitous Computing and Communications, IUCC 2015, 13th IEEE International Conference on Dependable, Autonomic and Secure Computing, DASC 2015 and 13th IEEE International Conference on Pervasive Intelligence and Computing, PCom 2015	2015	9781509001545
Systematic review of clustering high-Dimensional and large datasets	Pandove D., Goel S., Rani R.	CSED	ACM Transactions on Knowledge Discovery from Data	2018	

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Machine learning techniques for bleeding detection in capsule endoscopy	Pannu H.S., Jarial P.	CSED	Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017	2018	134567
Improved Particle Swarm Optimization Based Adaptive Neuro-Fuzzy Inference System for Benzene Detection	Pannu H.S., Singh D., Malhi A.K.	CSED	Clean - Soil, Air, Water	2018	
high-order fuzzy time series forecasting model for advance prediction of temperature	Pannu H.S., Tripathi A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
consensus based ensemble model for spam detection	Pantola P., Bala A., Rana P.S.	CSED	2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015	2015	9781479987917
Automated Leukaemia Detection Using Microscopic Images	Patel N., Mishra A.	CSED	Procedia Computer Science	2015	
perfect hashing base r-tree for multiple queries	Patel P., Garg D.	CSED	Souvenir of the 2014 IEEE International Advance Computing Conference, IACC 2014	2014	
A novel context sensitive multilevel thresholding for image segmentation	Patra S., Gautam R., Singla A.	CSED	Applied Soft Computing Journal	2014	
BAT and Hybrid BAT Meta-Heuristic for Quality of Service-Based Web Service Selection	Podili P., Pattanaik K.K., Rana P.S.	CSED	Journal of Intelligent Systems	2017	
Optimized Routing for Efficient Data Dissemination in MANET to Meet the Fast-Changing Technology	Prakash D., Kumar N., Garg M.L.	CSED	Journal of Global Information Management	2018	
a novel scheduling approach for workflow management in cloud computing	Prakash V., Bala A.	CSED	2014 International Conference on Signal Propagation and Computer Technology, ICSPCT 2014	2014	9781479931392
application of data mining in predicting placement of students	Pruthi K., Bhatia P.	CSED	Proceedings of the 2015 International Conference on Green Computing and Internet of Things, ICGCIoT 2015	2016	9781467379090
an efficient code clone detection model on java byte code using hybrid approach	Raheja K., Tekchandani R.K.	CSED	IET Conference Publications	2013	9781849198462
Improving detection rate using misuse detection and machine learning	Rajpal R., Kaur S., Kaur R.	CSED	Proceedings of 2016 SAI Computing Conference, SAI 2016	2016	9781467384605
Transmission energy management for wireless ad-hoc network	Raman K.K., Singh V.	CSED	ICROIT 2014 - Proceedings of the 2014 International Conference on Reliability, Optimization and Information Technology	2014	

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Word sense disambiguation for punjabi language using overlap based approach	Rana P., Kumar P.	CSED	Advances in Intelligent Systems and Computing	2015	
Genetic algorithm with mixed crossover approach for travelling salesman problem	Rana P.S., Singh S.P.	CSED	ACM International Conference Proceeding Series	2016	9781450342131
integrated fleet of electric vehicles as a frequency regulation agent in the grid	Rana R., Kaur K., Singh M., Kumar N., Kumar P.	CSED	2015 IEEE International Transportation Electrification Conference, ITEC-India 2015	2016	9781509019113
Off-line Signature Verification with concentric squares and slope based features using support vector machines	Randhawa M.K., Sharma A.K., Sharma R.K.	CSED	Proceedings of the 2013 3rd IEEE International Advance Computing Conference, IACC 2013	2013	9781467345286
dahda: dynamic adaptive hierarchical data aggregation for clustered wireless sensor networks	Randhawa S., Jain S.	CSED	Wireless Personal Communications	2017	
data aggregation in wireless sensor networks: previous research, current status and future directions	Randhawa S., Jain S.	CSED	Wireless Personal Communications	2017	
Multi-objective data aggregation for clustered wireless sensor networks	Randhawa S., Jain S.	CSED	Advances in Intelligent Systems and Computing	2018	212859
Energy-efficient load balancing scheme for two-tier communication in wireless sensor networks	Randhawa S., Jain S.	CSED	Journal of Supercomputing	2018	
Comparative analysis of flat routing protocols in wireless sensor networks: Which one is better?	Randhawa S., Verma A.K.	CSED	Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2 2017	2018	135456
a distributed approach for selection of optimal actor nodes in wireless sensor and actor networks	Ranga V., Dave M., Verma A.K.	CSED	Proceedings of 2014 International Conference on Contemporary Computing and Informatics, IC3I 2014	2014	9781479966295
a hybrid timer based single node failure recovery approach for wsans	Ranga V., Dave M., Verma A.K.	CSED	Wireless Personal Communications	2014	
a multi-criterion fuzzy logic intra-cluster and inter-cluster-based stable cluster head election approach in large scale wsn	Ranga V., Dave M., Verma A.K.	CSED	International Journal of Communication Networks and Distributed Systems	2016	
modified max-min algorithm for game theory	Ranga V., Dave M., Verma A.K.	CSED	International Conference on Advanced Computing and Communication Technologies, ACCT	2015	9781479984886
network partitioning recovery mechanisms in wsans: a survey	Ranga V., Dave M., Verma A.K.	CSED	Wireless Personal Communications	2013	9296212
node stability aware energy efficient single node failure recovery approach for wsans	Ranga V., Dave M., Verma A.K.	CSED	Malaysian Journal of Computer Science	2016	

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optimal nodes selection in wireless sensor and actor networks based on prioritized mutual exclusion approach	Ranga V., Dave M., Verma A.K.	CSED	Kuwait Journal of Science	2016	
recovery of lost connectivity in wireless sensor and actor networks using static sensors as bridge routers	Ranga V., Dave M., Verma A.K.	CSED	Procedia Computer Science	2015	
restoration of lost connectivity of partitioned wireless sensor networks	Ranga V., Dave M., Verma A.K.	CSED	Cogent Engineering	2016	
detecting depression: a comparison between i-vector technique and fuzzy membership functions	Rani B.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
i-vector based depression level estimation technique	Rani B.	CSED	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	9781509007745
csaaes: an expert system for cyber security attack awareness	Rani C., Goel S.	CSED	International Conference on Computing, Communication and Automation, ICCCA 2015	2015	9781479988907
Rule based sentiment analysis system for analyzing tweets	Rani S., Kumar P.	CSED	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	134574
A Novel Low Complexity Logic Encryption Technique for Design-for-Trust	Rathor V.S., Garg B., Sharma G.K.	CSED	IEEE Transactions on Emerging Topics in Computing	2018	
a sender initiate based hierarchical load balancing technique for grid using variable threshold value	Rathore N., Chana I.	CSED	2013 IEEE International Conference on Signal Processing, Computing and Control, ISPCC 2013	2013	9781467361903
load balancing and job migration techniques in grid: a survey of recent trends	Rathore N., Chana I.	CSED	Wireless Personal Communications	2014	
variable threshold-based hierarchical load balancing technique in grid	Rathore N., Chana I.	CSED	Engineering with Computers	2015	
Job Migration Policies for Grid Environment	Rathore N.K., Chana I.	CSED	Wireless Personal Communications	2016	
software clone detection: a systematic review	Rattan D., Bhatia R., Singh M.	CSED	Information and Software Technology	2013	
An empirical study of clone detection in MATLAB/Simulink models	Rattan D., Bhatia R., Singh M.	CSED	International Journal of Information and Communication Technology	2018	
Computer Aided Diagnostic System for Detection of Leukemia Using Microscopic Images	Rawat J., Singh A., Bhadauria H.S., Virmani J.	CSED	Procedia Computer Science	2015	

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Design and Performance Evaluation of a New Irregular Fault-Tolerant Multistage Interconnection Network	Rinkle Aggarwal	CSED	IJCSI International Journal of Computer Science IssuesVol. 9, No. 2pp. 108-113	2012	
a trust model in cloud computing based on fuzzy logic	Ritu, Jain S.	CSED	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	9781509007745
Some new fixed point theorems in fuzzy metric spaces	Roldán-López-De-Hierro A.-F., Karapinar E., Manro S.	CSED	Journal of Intelligent and Fuzzy Systems	2014	
on the design of provably secure lightweight remote user authentication scheme for mobile cloud computing services	Roy S., Chatterjee S., Das A.K., Chattopadhyay S., Kumar N., Vasilakos A.V.	CSED	IEEE Access	2017	
an improved approach for solving 0/1 knapsack problem in polynomial time using genetic algorithms	Sachdeva C., Goel S.	CSED	International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2014	2014	9781479940400
Non existence of totally contact umbilical slant lightlike submanifolds of indefinite Sasakian manifolds	Sachdeva R., Kumar R., Bhatia S.S.	CSED	Bulletin of the Iranian Mathematical Society	2014	
flood susceptibility mapping using gis-based support vector machine and particle swarm optimization: a case study in uttarakhand (india)	Sachdeva S., Bhatia T., Verma A.K.	CSED	8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017	2017	9781509030385
GIS-based evolutionary optimized Gradient Boosted Decision Trees for forest fire susceptibility mapping	Sachdeva S., Bhatia T., Verma A.K.	CSED	Natural Hazards	2018	
Scalable Bayesian matrix factorization	Saha A., Misra R., Ravindran B.	CSED	CEUR Workshop Proceedings	2015	
a multi-objective genetic room allocation in examination scheduling using graph coloring	Saharan S., Kadian K.	CSED	2014 International Conference on Signal Propagation and Computer Technology, ICSPCT 2014	2014	9781479931392
a public platform for developing language-independent applications.	Sahil Garg, Shalini Batra	CSED	Computers and Electrical Engineering,	2017	
securing iot devices using javascript based sandbox	Sahu A., Singh A.	CSED	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	9781509007745
information retrieval in web crawling: a survey	Saini C., Arora V.	CSED	2016 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2016	2016	9781509020287

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Prediction of heart disease severity with hybrid data mining	Saini M., Baliyan N., Bassi V.	CSED	2nd International Conference on Telecommunication and Networks, TEL-NET 2017	2018	136095
Equilibrium Structure of Rotationally and Tidally Distorted Prasad Model Including the Effect of Mass Variation Inside the Star	Saini S., Lal A.K., Kumar S.	CSED	Astrophysics	2014	
Cnoidal waves, solitary waves and painleve analysis of the 5th order KDV equation with dual-power law nonlinearity	Salas A., Kumar S., Yildirim A., Biswas A.	CSED	Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science	2013	
ontology cohesion and coupling metrics	Sandeep Kumar, Niyati Baliyan, and Shriya Sukalika	CSED	International Journal on Semantic Web and Information Systems	2017	
Data agglomeration in wireless sensor networks	Sandhu J.K., Saxena S.	CSED	Proceedings of 2014 3rd International Conference on Parallel, Distributed and Grid Computing, PDGC 2014	2015	9781479976836
A novel framework for reliable network prediction of small scale wireless sensor networks (SSWSNs)	Sandhu J.K., Verma A.K., Rana P.S.	CSED	Fundamenta Informaticae	2018	
distributed star coloring of network for ip traceback	Sangita Roy, Ashok Singh Sairam	CSED	International Journal of Information Security, Springer, vol. 9,	2017	
abstracting communication methodology in iot sensors to eliminate redundancy and cycles	Saxena S.	CSED	Communications in Computer and Information Science	2017	9789811054266
analytical study of data localization probability in sfba-tree topology	Saxena S.	CSED	IEEE Communications Letters	2016	
Acoustic communication characteristics in UWDBCSN	Saxena S., Mehta D., Kaur J., Jindal H.	CSED	Proceedings of 2014 3rd International Conference on Parallel, Distributed and Grid Computing, PDGC 2014	2015	9781479976836
A semi-supervised domain adaptation assembling approach for image classification	Saxena S., Pandey S., Khanna P.	CSED	Pattern Analysis and Applications	2018	
Health demolition via social websites and E-Contents addiction	Saxena S., Shankar V., Mehta D., Saxena S.	CSED	Indian Journal of Science and Technology	2016	
intrusion detection system based on software defined network firewall	Sayeed M.A., Sayeed M.A., Saxena S.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	9781467368094
Learning about learning: A cybernetic model of skill acquisition	Scott B., Bansal A.	CSED	Kybernetes	2014	

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Modified grey Wolf algorithm for optimization problems	Seema, Kumar V.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	
aci (automated continuous integration) using jenkins: key for successful embedded software development	Seth N., Khare R.	CSED	2015 2nd International Conference on Recent Advances in Engineering and Computational Sciences, RAECs 2015	2016	9781467382533
Information system and system development life cycle	Sethi M., Sharma A.	CSED	Software Development Techniques for Constructive Information Systems Design	2013	9781466636798
Enhancing the Accuracy of Movie Recommendation System Based on Probabilistic Data Structure and Graph Database	Sharma A., Batra S.	CSED	Proceedings - 2015 5th International Conference on Advances in Computing and Communications, ICACC 2015	2016	9781467369947
an optimized framework for cancer classification using deep learning and genetic algorithm	Sharma A., Rani R.	CSED	Journal of Medical Imaging and Health Informatics	2017	
A 3-level model for implementing MOOC in India	Sharma A., Rani R.	CSED	Proceedings of the 2014 IEEE International Conference on MOOCs, Innovation and Technology in Education, IEEE MITE 2014	2015	9781479968763
IoT solutions for 3-D visualization of Twitter data	Sharma A., Rani R.	CSED	Souvenir of the 2015 IEEE International Advance Computing Conference, IACC 2015	2015	9781479980475
an identity-based ring signcryption scheme	Sharma G., Bala S., Verma A.K.	CSED	Lecture Notes in Electrical Engineering	2013	9789400758599
an improved rsa-based certificateless signature scheme for wireless sensor networks	Sharma G., Bala S., Verma A.K.	CSED	International Journal of Network Security	2016	
on the security of certificateless signature schemes	Sharma G., Bala S., Verma A.K.	CSED	International Journal of Distributed Sensor Networks	2013	
Pairing-Free Certificateless Ring Signcryption (PF-CLRSC) Scheme for Wireless Sensor Networks	Sharma G., Bala S., Verma A.K.	CSED	Wireless Personal Communications	2015	
PF-IBS: Pairing-Free Identity Based Digital Signature Algorithm for Wireless Sensor Networks	Sharma G., Bala S., Verma A.K.	CSED	Wireless Personal Communications	2017	
breaking the rsa-based certificateless signature scheme	Sharma G., Verma A.K.	CSED	Information (Japan)	2013	
On Central Automorphisms of Finite p-Groups	Sharma M., Gumber D.	CSED	Communications in Algebra	2013	

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
dynamic key based authentication scheme for vehicular cloud computing	Sharma M.K., Bali R.S., Kaur A.	CSED	Proceedings of the 2015 International Conference on Green Computing and Internet of Things, ICGCIoT 2015	2016	9781467379090
an approach for frequent access pattern identification in web usage mining	Sharma M.M., Bala A.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	9781479930791
information retrieval in web crawling using population based, and local search based meta-heuristics: a review	Sharma P., Kaur J., Arora V., Rana P.S.	CSED	Advances in Intelligent Systems and Computing	2017	9789811033247
Enhanced swarm intelligence-based scheduler to improve QoS for MANETs	Sharma P., Kumar R.	CSED	Proceedings of the 5th International Conference on Confluence 2014: The Next Generation Information Technology Summit	2014	9781479942367
A discrete firefly algorithm for VLSI circuit partitioning	Sharma P.K., Kaur M.	CSED	2014 International Conference on Electronics and Communication Systems, ICECS 2014	2014	9781479923205
Numerical Simulation of MHD Hiemenz Flow of a Micropolar Fluid towards a Nonlinear Stretching Surface through a Porous Medium	Sharma R., Bhargava R.	CSED	International Journal of Computational Methods in Engineering Science and Mechanics	2015	
Fuzzy based efficient mechanism for URL assignment in dynamic web crawler	Sharma R., Bhatia R., Garg S., Aujla G.S., Mann R.S.	CSED	Communications in Computer and Information Science	2017	9789811057793
Study of particle size distribution and oxygen mass balance in a bubbling fluidizing combustor using cotton stalk	Sharma R.K., Mohapatra S.K.	CSED	Asia-Pacific Journal of Chemical Engineering	2016	
Thermo-economic analysis of a biomass-fired bubbling fluidised bed thermal power plant	Sharma R.K., Mohapatra S.K.	CSED	International Journal of Exergy	2016	
Content-based retrieval of biomedical images using orthogonal Fourier-Mellin moments	Sharma S., Aggarwal A.	CSED	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization	2018	
web presence of indian digital culture	Sharma S., Bawa S., Lomash H.	CSED	Preservation, Digital Technology and Culture	2015	
Fuzzy rough set based energy management system for self-sustainable smart city	Sharma S., Dua A., Singh M., Kumar N., Prakash S.	CSED	Renewable and Sustainable Energy Reviews	2018	
Location based context aware recommender system through user defined rules	Sharma S., Kaur D.	CSED	International Conference on Computing, Communication and Automation, ICCCA 2015	2015	9781479988907

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Performance evaluation of 2D face recognition techniques under image processing attacks	Sharma S., Kumar V.	CSED	Modern Physics Letters B	2018	
Who Regulates Ethics in the Virtual World?	Sharma S., Lomash H., Bawa S.	CSED	Science and Engineering Ethics	2014	
an efficient and secure database system using openc1	Sharma S., Singh M.	CSED	ACM International Conference Proceeding Series	2014	9781450329088
emg classification using wavelet functions to determine muscle contraction	Sharma T., Veer K.	CSED	Journal of Medical Engineering and Technology	2016	
Blend of local and global variant of PSO in ABC	Sharma T.K., Pant M., Abraham A.	CSED	2013 World Congress on Nature and Biologically Inspired Computing, NaBIC 2013	2013	9781479914159
hmadso: a novel hill myna and desert sparrow optimization algorithm for cooperative rendezvous and task allocation in fanets	Sharma V, Kumar R, Reina DG	CSED	Soft Computing	2017	
uav-assisted heterogeneous networks for capacity enhancement	Sharma V., Bennis M., Kumar R.	CSED	IEEE Communications Letters	2016	
a lossless data hiding method based on inverted lsb technique	Sharma V., Bhardwaj R.	CSED	Proceedings of 2015 3rd International Conference on Image Information Processing, ICIIP 2015	2016	9781509001484
driver behaviour detection and vehicle rating using multi-uav coordinated vehicular networks	Sharma V., Chen H.-C., Kumar R.	CSED	Journal of Computer and System Sciences	2017	
an opportunistic cross layer design for efficient service dissemination over flying ad hoc networks (fanets)	Sharma V., Kumar R.	CSED	2nd International Conference on Electronics and Communication Systems, ICECS 2015	2015	9781479972241
cooperative frameworks and network models for flying ad hoc networks: a survey	Sharma V., Kumar R.	CSED	Concurrency Computation	2017	
estimation-based queue scheduling model to improve qos for end users in manets	Sharma V., Kumar R.	CSED	Computing and Informatics	2016	
g-fanet: an ambient network formation between ground and flying ad hoc networks	Sharma V., Kumar R.	CSED	Telecommunication Systems	2017	
teredo tunneling-based secure transmission between uavs and ground ad hoc networks	Sharma V., Kumar R.	CSED	International Journal of Communication Systems	2017	
Three-tier neural model for service provisioning over collaborative flying ad hoc networks	Sharma V., Kumar R.	CSED	Neural Computing and Applications	2018	
quat-dem: quaternion-dematel based neural model for mutual coordination between uavs	Sharma V., Kumar R. & Kumar R.	CSED	Information Sciences	2017	
NHAD: Neuro-Fuzzy Based Horizontal Anomaly Detection In Online Social Networks	sharma V., KUMAR R., Cheng W., Atiquzzaman M., Srinivasan K., Zomaya A.	CSED	IEEE Transactions on Knowledge and Data Engineering	2018	

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
uav-assisted content-based sensor search in iots	Sharma V., Kumar R., Kaur R.	CSED	Electronics Letters	2017	
DPTR: Distributed priority tree-based routing protocol for FANETs	Sharma V., Kumar R., Kumar N.	CSED	Computer Communications	2018	
quat-dem: quaternion-dematel based neural model for mutual coordination between uavs	Sharma V., Kumar R., Kumar R.	CSED	Information Sciences	2017	
self-healing neural model for stabilization against failures over networked uavs	Sharma V., Kumar R., Rana P.S.	CSED	IEEE Communications Letters	2015	
topological broadcasting using parameter sensitivity-based logical proximity graphs in coordinated ground-flying ad hoc networks	Sharma V., Kumar R., Rathore N.	CSED	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications	2015	
uavs assisted delay optimization in heterogeneous wireless networks	Sharma V., Sabatini R., Ramasamy S.	CSED	IEEE Communications Letters	2016	
QoS-aware routing in wireless networks using Aerial vehicles	Sharma V., Srinivasan K.	CSED	Journal of Internet Technology	2018	
intelligent deployment of uavs in 5g heterogeneous communication environment for improved coverage	Sharma V., Srinivasan K., Chao H.-C., Hua K.-L., Cheng W.-H.	CSED	Journal of Network and Computer Applications	2017	
energy efficient data dissemination in multi-uav coordinated wireless sensor networks	Sharma V., You I., Kumar R.	CSED	Mobile Information Systems	2016	
isma: intelligent sensing model for anomalies detection in cross platform osns with a case study on iot	Sharma V., You I., Kumar R.	CSED	IEEE Access	2017	21693536
Resource-based mobility management for video users in 5G using catalytic computing	Sharma V., You I., Kumar R.	CSED	Computer Communications	2018	
OFFRP: Optimised fruit fly based routing protocol with congestion control for UAVs guided ad hoc networks	Sharma V., You I., Kumar R., Chauhan V.	CSED	International Journal of Ad Hoc and Ubiquitous Computing	2018	
computational offloading for efficient trust management in pervasive online social networks using osmotic computing	Sharma V., You I., Kumar R., Kim P.	CSED	IEEE Access	2017	21693536
clustering for high dimensional data	Sharma V.K., Bala A.	CSED	1st International Conference on Networks and Soft Computing, ICNSC 2014 - Proceedings	2014	9781479934850
multilingual text summarization with unl	Sherry, Bhatia P.	CSED	Conference Proceeding - 2015 International Conference on Advances in Computer Engineering and Applications, ICACEA 2015	2015	9781467369114
predictors of user satisfaction in erp in technical educational institutions	Shivani Goel, Ravi Kiran, Deepak Garg	CSED	Information, An International Interdisciplinary Journal	2013	
Multi secret sharing with unexpanded meaningful shares	Shivani S.	CSED	Multimedia Tools and Applications	2018	

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“vmvc: verifiable multitone visual cryptography”	Shivendra Shivani	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2017	
“novel basis matrix creation and preprocessing algorithms for friendly progressive visual secret sharing with space-efficient shares”	Shivendra Shivani, Suneeta Agarwal	CSED	MULTIMEDIA TOOLS AND APPLICATIONS	2016	
“vpvc: verifiable progressive visual cryptography”	Shivendra Shivani, Suneeta Agarwal	CSED	Pattern Analysis and Application	2016	
“progressive visual cryptography with unexpanded meaningful shares”	Shivendra Shivani, Suneeta Agarwal	CSED	In ACM Transactions on Multimedia Computing Communication and Application, Vol 12(4)	2016	
pythonhoneymonkey: detecting malicious web urls on client side honeypot systems	Shukla R., Singh M.	CSED	Proceedings - 2014 3rd International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions, ICRITO 2014	2015	9781479968961
mobicoop: an incentive-based cooperation solution for mobile applications	Silva B.M.C., Rodrigues J.J.P.C., Kumar N., Proena M.L., Jr., Han G.	CSED	ACM Transactions on Multimedia Computing, Communications and Applications	2016	
ruling out key enablers for software process reengineering in indian small and medium enterprises	Singh A., Aggarwal H.	CSED	International Journal of Process Management and Benchmarking	2017	
Impact analysis of software processes for SPI in Indian SMEs	Singh A., Aggarwal H.	CSED	International Journal of Applied Engineering Research	2016	
P-Skip graph: An efficient data structure for peer-to-peer network	Singh A., Batra S.	CSED	Advances in Intelligent Systems and Computing	2015	
Ensemble based spam detection in social IoT using probabilistic data structures	Singh A., Batra S.	CSED	Future Generation Computer Systems	2018	
face as bio-metric password for secure atm transactions	Singh A., Bhattacharya J., Modi S.	CSED	Advances in Intelligent Systems and Computing	2017	9789811033247
Bloom filter based optimization scheme for massive data handling in IoT environment	Singh A., Garg S., Batra S., Kumar N., Rodrigues J.J.P.C.	CSED	Future Generation Computer Systems	2018	
Fuzzy-folded Bloom Filter-as-a-Service for Big Data Storage on Cloud	Singh A., Garg S., Kaur K., Batra S., Kumar N., Choo K.R.	CSED	IEEE Transactions on Industrial Informatics	2018	
efficient landsat image fusion using fuzzy and stationary discrete wavelet transform	Singh D., Garg D., Singh Pannu H.	CSED	Imaging Science Journal	2017	
dehazing of remote sensing images using improved restoration model based dark channel prior	Singh D., Kumar V.	CSED	Imaging Science Journal	2017	
modified gain intervention filter based dehazing technique	Singh D., Kumar V.	CSED	Journal of Modern Optics	2017	
Dehazing of remote sensing images using fourth-order partial differential equations based trilateral filter	Singh D., Kumar V.	CSED	IET Computer Vision	2018	

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Single image haze removal using integrated dark and bright channel prior	Singh D., Kumar V.	CSED	Modern Physics Letters B	2018	
Defogging of road images using gain coefficient-based trilateral filter	Singh D., Kumar V.	CSED	Journal of Electronic Imaging	2018	
Comprehensive survey on haze removal techniques	Singh D., Kumar V.	CSED	Multimedia Tools and Applications	2018	
A novel dehazing model for remote sensing images	Singh D., Kumar V.	CSED	Computers and Electrical Engineering	2018	
Dehazing of outdoor images using notch based integral guided filter	Singh D., Kumar V.	CSED	Multimedia Tools and Applications	2018	
antalg: an innovative aco based routing algorithm for manets	Singh G., Kumar N., Verma A.K.	CSED	Journal of Network and Computer Applications	2014	
oantalg: an orientation based ant colony algorithm for mobile ad hoc networks	Singh G., Kumar N., Verma A.K.	CSED	Wireless Personal Communications	2014	
a mapreduce-based efficient h-bucket pmr quadtree spatial index	Singh H., Bawa S.	CSED	Computer Systems Science and Engineering	2017	
a survey of traditional and mapreduce-based spatial query processing approaches	Singh H., Bawa S.	CSED	SIGMOD Record	2017	
spatial data analysis with arcgis and mapreduce	Singh H., Bawa S.	CSED	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2016	2017	9781509016662
Efficient zone identification approach for the recognition of online handwritten Gurmukhi script	Singh H., Sharma R.K., Singh V.P.	CSED	Neural Computing and Applications	2018	
gray testing support in software repository with keyword based extraction	Singh I., Singh A.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	9781479930791
A survey on various component repositories with detail study of different methods of storage and extraction of components	Singh I., Singh A.	CSED	2014 International Conference on Advances in Electronics, Computers and Communications, ICAECC 2014	2015	9781479954964
big data analytics based recommender system for value added services (vas)	Singh I., Singh K.V., Singh S.	CSED	Advances in Intelligent Systems and Computing	2017	9789811033247
Making sleep study instrumentation more unobtrusive	Singh J., Sharma R.K.	CSED	IEEE Instrumentation and Measurement Magazine	2018	
a hybrid backbone based clustering algorithm for vehicular ad-hoc networks	Singh J.P., Bali R.S.	CSED	Procedia Computer Science	2015	
applying olsr routing in fanets	Singh K., Verma A.K.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	9781479939145

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experimental analysis of aodv, dsdv and olsr routing protocol for flying adhoc networks (fanets)	Singh K., Verma A.K.	CSED	Proceedings of 2015 IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2015	2015	9781479960842
threat modeling for multi-uav adhoc networks	Singh K., Verma A.K.	CSED	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	21593442
A fuzzy-based trust model for flying ad hoc networks (FANETs)	Singh K., Verma A.K.	CSED	International Journal of Communication Systems	2018	
FCTM: A novel fuzzy classification trust model for enhancing reliability in flying Ad hoc networks (FANETs)	Singh K., Verma A.K.	CSED	Ad-Hoc and Sensor Wireless Networks	2018	
interpolation based reversible data hiding scheme for digital images	Singh Kasana S., Garg P.	CSED	Proceedings of the WCCCE 2016 - The 21st Western Canadian Conference on Computing Education	2016	9781450343558
sql2neo: moving health-care data from relational to graph databases	Singh M., Kaur K.	CSED	Souvenir of the 2015 IEEE International Advance Computing Conference, IACC 2015	2015	9781479980475
a real-time smart charging station for evs designed for v2g scenario and its coordination with renewable energy sources	Singh M., Kumar P., Kar I., Kumar N.	CSED	IEEE Power and Energy Society General Meeting	2016	9781509041688
formal transformation of uml diagram: use case, class, sequence diagram with z notation for representing the static and dynamic perspectives of system	Singh M., Sharma A.K., Saxena R.	CSED	Advances in Intelligent Systems and Computing	2016	9789811001338
Towards the formalization of Road traffic Management system for safety critical properties by Z notation	Singh M., Sharma A.K., Saxena R.	CSED	Proceedings of the 2015 International Conference on Green Computing and Internet of Things, ICGCIoT 2015	2016	9781467379090
An UML+Z Framework for Validating and Verifying the Static Aspect of Safety Critical System	Singh M., Sharma A.K., Saxena R.	CSED	Procedia Computer Science	2016	18770509
comparative analysis of ieee 802.15.4 and ieee 802.15.6 standards	Singh M., Verma A.K.	CSED	Proceedings - 2014 6th International Conference on Computational Intelligence and Communication Networks, CICN 2014	2014	9781479969296
neuro-fuzzy hybridized model for seasonal rainfall forecasting: a case study in stock index forecasting	Singh P.	CSED	Studies in Computational Intelligence	2016	9788132225447; 9788132225430

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Big data time series forecasting model: A fuzzy-neuro hybridize approach	Singh P.	CSED	Adaptation, Learning, and Optimization	2015	
An efficient time series forecasting model based on fuzzy time series	Singh P., Borah B.	CSED	Engineering Applications of Artificial Intelligence	2013	
Forecasting stock index price based on M-factors fuzzy time series and particle swarm optimization	Singh P., Borah B.	CSED	International Journal of Approximate Reasoning	2014	
a fuzzy-lp approach in time series forecasting	Singh P., Dhiman G.	CSED	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	3029743
A hybrid fuzzy time series forecasting model based on granular computing and bio-inspired optimization approaches	Singh P., Dhiman G.	CSED	Journal of Computational Science	2018	
Text analytics of web posts' comments using sentiment analysis	Singh R., Bagla R., Kaur H.	CSED	2015 International Conference and Workshop on Computing and Communication, IEMCON 2015	2015	9781479969081
efficient and secure message transfer in vanet	Singh R., Miglani S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
efficient image transfer over wsn using cross layer architecture	Singh R., Verma A.K.	CSED	Optik	2017	
a survey on resource scheduling in cloud computing: issues and challenges	Singh S., Chana I.	CSED	Journal of Grid Computing	2016	
cloud resource provisioning: survey, status and future research directions	Singh S., Chana I.	CSED	Knowledge and Information Systems	2016	
earth: energy-aware autonomic resource scheduling in cloud computing	Singh S., Chana I.	CSED	Journal of Intelligent and Fuzzy Systems	2016	
qos-aware autonomic cloud computing for ict	Singh S., Chana I.	CSED	Advances in Intelligent Systems and Computing	2016	9789811001338
z language based an algorithm for event detection, analysis and classification in machine vision	Singh S., Chana I., Singh M.	CSED	2013 International Conference on Human Computer Interactions, ICHCI 2013	2013	9781467357036
A new approach for solving cost minimization balanced transportation problem under uncertainty	Singh S., Gupta G.	CSED	Journal of Transportation Security	2014	
Hybrid optical amplifiers for 64 × 10 Gb ps dense wavelength division multiplexed system	Singh S., Kaler R.S.	CSED	Optik	2013	
Efficient classification of the hyperspectral images using deep learning	Singh S., Kasana S.S.	CSED	Multimedia Tools and Applications	2018	

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Score and winning prediction in cricket through data mining	Singh T., Singla V., Bhatia P.	CSED	International Conference on Soft Computing Techniques and Implementations, ICSCIT 2015	2016	9781467367929
Ruling out key enablers for software process reengineering in Indian small and medium enterprises	Singh, A. & Aggarwal, H.	CSED	International Journal of Business and Process Management, Inderscience publishers (Scopus Indexed)	2017	
a fast automatic optimal threshold selection technique for image segmentation	Singla A., Patra S.	CSED	Signal, Image and Video Processing	2017	
pso based context sensitive thresholding technique for automatic image segmentation	Singla A., Patra S.	CSED	Advances in Intelligent Systems and Computing	2017	9789811033247
A fast partition-based batch-mode active learning technique using SVM classifier	Singla A., Patra S.	CSED	Soft Computing	2018	
A novel classification technique based on progressive transductive SVM learning	Singla A., Patra S., Bruzzone L.	CSED	Pattern Recognition Letters	2014	
Rule based anaphora resolution in Hindi	Singla D., Kumar P.	CSED	ICCIDS 2017 - International Conference on Computational Intelligence in Data Science, Proceedings	2018	134462
eye state prediction using ensembled machine learning models	Singla D., Rana P.S.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
GPS based bus tracking system	Singla L., Bhatia P.	CSED	IEEE International Conference on Computer Communication and Control, IC4 2015	2016	9781479981649
Scattered context grammar in Hindi linguistics	Singla M., Kumar A.	CSED	IEEE International Conference on Information, Communication, Instrumentation and Control, ICICIC 2017	2018	134524
comparison of routing protocols of manet in real world scenario using ns3	Singla S., Jain S.	CSED	2014 International Conference on Control, Instrumentation, Communication and Computational Technologies, ICCICT 2014	2014	9781479941902
reducing mutation testing endeavor using the similar conditions for the same mutation operators occurs at different locations	Singla T., Kumar A., Garhwal S.	CSED	Applied Mathematics and Information Sciences	2014	
finding nearest facility location with open box query using geohashing and mapreduce	Singla V., Garg D.	CSED	Souvenir of the 2014 IEEE International Advance Computing Conference, IACC 2014	2014	

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statistical and sentiment analysis of consumer product reviews	Singla Z., Randhawa S., Jain S.	CSED	8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017	2017	9781509030385
Sentiment analysis of customer product reviews using machine learning	Singla Z., Randhawa S., Jain S.	CSED	Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2 2017	2018	135456
demand response management of smart grids using dynamic pricing	Sinha A.K., Dr., Kumar N.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
Spam filtering using hybrid local-global Naive Bayes classifier	Solanki R.K., Verma K., Kumar R.	CSED	2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015	2015	9781479987917
Cloud Centric Authentication for Wearable Healthcare Monitoring System	Srinivas J., Das A.K., Kumar N., Rodrigues J.	CSED	IEEE Transactions on Dependable and Secure Computing	2018	
Anonymous Lightweight Chaotic Map-Based Authenticated Key Agreement Protocol for Industrial Internet of Things	Srinivas J., Das A.K., Wazid M., Kumar N.	CSED	IEEE Transactions on Dependable and Secure Computing	2018	
robust & efficient algorithms for storage & retrieval of disk based data structures	Srinivasan K., Kumar R., Singla S.	CSED	Proceedings of the 2017 IEEE International Conference on Applied System Innovation: Applied System Innovation for Modern Technology, ICASI 2017	2017	9781509048977
the journey of qos-aware autonomic cloud computing	Sujata Rani, Parteek Kumar	CSED	IEEE Computer	2017	
iot based agriculture as a cloud and big data service: the beginning of digital india	Sukhpal Singh, Inderveer Chana and Maninder Singh	CSED	IT Professional	2017	
STAR: SLA-aware Autonomic Management of Cloud Resources	Sukhpal Singh, Inderveer Chana and Rajkumar Buyya	CSED	IEEE Transactions on Cloud Computing, January 2017	2017	
the journey of qos based autonomic cloud computing	Sukhpal Singh, Inderveer Chana, Maninder Singh	CSED	IT professional Magazine	2017	
Dynamizing Dijkstra: A solution to dynamic shortest path problem through retroactive priority queue	Sunita, Garg D.	CSED	Journal of King Saud University - Computer and Information Sciences	2018	
Extended suffix array construction using Lyndon factors	Sunita, Garg D.	CSED	Sadhana - Academy Proceedings in Engineering Sciences	2018	
an enhanced bilinear pairing based authenticated key agreement protocol for multiserver environment	Sureshkumar V., Amin R., Anitha R.	CSED	International Journal of Communication Systems	2017	
A robust mutual authentication scheme for session initiation protocol with key establishment	Sureshkumar V., Amin R., Anitha R.	CSED	Peer-to-Peer Networking and Applications	2018	

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On the design of secure user authenticated key management scheme for multigateway-based wireless sensor networks using ECC	Sutrala A.K., Das A.K., Kumar N., Reddy A.G., Vasilakos A.V., Rodrigues J.J.P.C.	CSED	International Journal of Communication Systems	2018	
region based blind image watermarking scheme in wavelet domain	Swati, Kasana S.S.	CSED	ACM International Conference Proceeding Series	2016	9781450342131
image encryption algorithm using chaotic sequences and flipping	Takkar P., Girdhar A., Singh V.P.	CSED	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2017	2017	9781509064717
Fault tolerance techniques for scientific applications in cloud	Talwani S., Chana I.	CSED	2nd International Conference on Telecommunication and Networks, TEL-NET 2017	2018	136095
Automatic irrigation system using Arduino UNO	Taneja K., Bhatia S.	CSED	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2018	134184
eemhr: energy-efficient multilevel heterogeneous routing protocol for wireless sensor networks	Tanwar S., Kumar N., Niu J.-W.	CSED	International Journal of Communication Systems	2014	
LA-MHR: Learning Automata Based Multilevel Heterogeneous Routing for Opportunistic Shared Spectrum Access to Enhance Lifetime of WSN	Tanwar S., Tyagi S., Kumar N., Obaidat M.S.	CSED	IEEE Systems Journal	2018	
data deduplication techniques for efficient cloud storage management - a systematic review	Tarandeep Kaur and Inderveer Chana	CSED	Simulation Modelling Practice and Theory	2017	
Code clone genealogy detection on e-health system using Hadoop	Tekchandani R., Bhatia R., Singh M.	CSED	Computers and Electrical Engineering	2017	
semantic code clone detection using parse trees and grammar recovery	Tekchandani R., Bhatia R.K., Singh M.	CSED	IET Conference Publications	2013	9781849198462
Indoor user localization using data distribution framework	Thind R., Rani R.	CSED	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2018	134184
an adaptive cache invalidation technique for wireless environments	Tiwari R., Kumar N.	CSED	Telecommunication Systems	2016	
dynamic cache invalidation technique in mobile environments	Tiwari R., Kumar N.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	9781467368094
performance comparison of cache invalidation techniques in mobile computing environment	Tiwari R., Kumar N.	CSED	Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015	2016	9781467368094

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Minimizing Query Delay Using Co-operation in IVANET	Tiwari R., Kumar N.	CSED	Procedia Computer Science	2015	
a variational framework for low-dose sinogram restoration	Tiwari S.	CSED	International Journal of Biomedical Engineering and Technology	2017	
Coupling and cohesion metrics for object-oriented software: A systematic mapping study	Tiwari S., Rathore S.S.	CSED	ACM International Conference Proceeding Series	2018	134483
an efficient password-based three-party authenticated multiple key exchange protocol for wireless mobile networks	Tu H., Kumar N., He D., Kim J., Lee C.	CSED	Journal of Supercomputing	2014	9208542
Comparative analysis of backpropagation and RBF neural network on monthly rainfall prediction	Tyagi N., Kumar A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	9781509012855
eh-leach: enhanced heterogeneous leach protocol for lifetime enhancement of wireless sns	Tyagi S., Gupta S.K., Tanwar S., Kumar N.	CSED	Proceedings of the 2013 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2013	2013	9781467362153
Sensor Cloud Based Measurement to Management System for Precise Irrigation	Tyagi S., Obaidat M.S., Tanwar S., Kumar N., Lal M.	CSED	2017 IEEE Global Communications Conference, GLOBECOM 2017 - Proceedings	2018	134282
bayesian coalition game-based optimized clustering in wireless sensor networks	Tyagi S., Tanwar S., Gupta S.K., Kumar N., Misra S., Rodrigues J.P.C., Ullah S.	CSED	IEEE International Conference on Communications	2015	9781467364324
a lifetime extended multi-levels heterogeneous routing protocol for wireless sensor networks	Tyagi S., Tanwar S., Gupta S.K., Kumar N., Rodrigues J.J.P.C.	CSED	Telecommunication Systems	2015	
learning automata-based coverage oriented clustering in hwsns	Tyagi S., Tanwar S., Kumar N.	CSED	Proceedings - 2015 2nd IEEE International Conference on Advances in Computing and Communication Engineering, ICACCE 2015	2015	9781479917341
a sentiment analysis system to improve teaching and learning	Vaibhav Agarwal, Parteek Kumar	CSED	Digital Scholarship in the Humanities	2017	
TCP-EXPO: Empirical approach to transport layer protocol for high-speed networks	Vanzara R., Thakkar M., Sharma P., Bhatt H.S., Tanwar S., Tyagi S., Kumar N., Rodrigues J.J.P.C.	CSED	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings	2018	137742
Efficient dynamic replication algorithm using agent for data grid	Vashisht P., Kumar R., Sharma A.	CSED	The Scientific World Journal	2014	

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A review on security problems and measures of Internet of Things	Verma H., Chahal K.	CSED	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2018	134184
comparison of hmm- and svm-based stroke classifiers for gurmukhi script	Verma K., Sharma R.K.	CSED	Neural Computing and Applications	2017	
recognition of online handwritten gurmukhi characters based on zone and stroke identification	Verma K., Sharma R.K.	CSED	Sadhana - Academy Proceedings in Engineering Sciences	2017	
Performance Analysis of Zone Based Features for Online Handwritten Gurmukhi Script Recognition using Support Vector Machine	Verma K., Sharma R.K.	CSED	Advances in Intelligent Systems and Computing	2015	9783319084213
An Efficient Writing-Zone Identification Technique for Online Handwritten Gurmukhi Character Recognition	Verma K., Sharma R.K.	CSED	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2018	
fingerprint and minutiae points technique	Verma K., Singla I.	CSED	Advances in Intelligent Systems and Computing	2014	9788132216018
Vague reliability assessment of combustion system using Petri nets and vague lambda-tau methodology	Verma M., Kumar A., Singh Y.	CSED	Engineering Computations (Swansea, Wales)	2013	
pam clustering based taxi hotspot detection for informed driving	Verma N., Baliyan N.	CSED	8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017	2017	9781509030385
detection of alphanumeric shellcodes using similarity index	Verma N., Mishra V., Singh V.P.	CSED	Proceedings of the 2014 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2014	2014	9781479930791
workload prediction model based on supervised learning for energy efficiency in cloud	Verma N., Sharma A.	CSED	2017 2nd International Conference on Communication Systems, Computing and IT Applications, CSCITA 2017 - Proceedings	2017	9781509043811
a novel approach for automatic test sequence generation for java fork/join from activity diagram	Verma V., Arora V.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	9781479939145
Effect of rumor propagation on stock market dynamics using cellular automata	Vij P., Kumar A.	CSED	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2016	

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mapping hindi text to indian sign language with extension using wordnet	Vij P., Kumar P.	CSED	ACM International Conference Proceeding Series	2016	9781450342131
a systematic review of text stemming techniques	Vijay Kumar and Dinesh Kumar	CSED	<i>Advances in Engineering Software</i>	2017	
Differential Search for Multiobjective Problems	<u>Vijay Kumar, Jitender Kumar Chhabra and Dinesh Kumar</u>	CSED	<i>Procedia Computer Science, Vol. 48, pp. 22-28, 2015</i>	2015	
Grey Wolf-based Clustering Technique.	Vijay Kumar, Jitender Kumar Chhabra and Dinesh Kumar	CSED	Journal of Intelligent Systems, Vol. 26(1), pp.153-168, 2017	2017	
Empirical evaluation of fuzzy synthetic based framework for multifaceted component classification and selection	Vinay, Kumar M., Johri P., Kumar R.	CSED	Research Journal of Applied Sciences, Engineering and Technology	2014	
lost connectivity restoration in partitioned wireless sensor networks	Virender R., Mayank D., Kumar V.A.	CSED	Advances in Intelligent Systems and Computing	2016	9789811001338
a cooperative network framework for multi-uav guided ground ad hoc networks	Vishal Sharma, Rajesh Kumar	CSED	Journal of Intelligent and Robotic Systems: Theory and Applications	2014	
improving security of lightweight authentication technique for heterogeneous wireless sensor networks	Vorugunti C.S., Mishra B., Amin R., Badoni R.P., Sarvabhatla M., Mishra D.	CSED	Wireless Personal Communications	2017	
A comprehensive survey of handwritten character segmentation	Vyas M., Verma K.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	9781479939145
A platform independent methodology for on-line handwritten character segmentation	Vyas M., Verma K.	CSED	Proceedings of 2014 IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014	2015	9781479939145
Preventing faults: Fault monitoring and proactive fault tolerance in cloud computing	Wadhwa A., Bala A.	CSED	Advances in Intelligent Systems and Computing	2016	9789811001277
approximation algorithm for resource allocation problems with time dependent penalties	Wadhwa V.M., Garg D.	CSED	International Journal of Foundations of Computer Science	2017	
PAT: A precise reward scheme achieving anonymity and traceability for crowdcomputing in public clouds	Wang H., He D., Sun Y., Kumar N., Choo K.-K.R.	CSED	Future Generation Computer Systems	2018	
Blocking probability optimization in wavelength routed optical WDM networks	Wason A., Kaler R.S.	CSED	Optik	2013	
secure authentication scheme for medicine anti-counterfeiting system in iot environment	Wazid M., Das A.K., Khan M.K., Al-Ghaiheb A.A.-D., Kumar N., Vasilakos A.V.	CSED	IEEE Internet of Things Journal	2017	23274662
A Novel Authentication and Key Agreement Scheme for Implantable Medical Devices Deployment	Wazid M., Das A.K., Kumar N., Conti M., Vasilakos A.V.	CSED	IEEE Journal of Biomedical and Health Informatics	2018	

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Design of Secure User Authenticated Key Management Protocol for Generic IoT Networks	Wazid M., Das A.K., Odelu V., Kumar N., Conti M., Jo M.	CSED	IEEE Internet of Things Journal	2018	
secure remote user authenticated key establishment protocol for smart home environment	Wazid M., Das A.K., Odelu V., Kumar N., Susilo W.	CSED	IEEE Transactions on Dependable and Secure Computing	2017	
A general compiler for password-authenticated group key exchange protocol in the standard model	Wei F., Kumar N., He D., Yeo S.-S.	CSED	Discrete Applied Mathematics	2018	
secure public data auditing scheme for cloud storage in smart city	Wu L., Wang J., Kumar N., He D.	CSED	Personal and Ubiquitous Computing	2017	
A new conception of information requisition in web of things	Yadav A.K., Saxena S.	CSED	Indian Journal of Science and Technology	2016	
malware detection based on opcode frequency	Yewale A., Singh M.	CSED	Proceedings of 2016 International Conference on Advanced Communication Control and Computing Technologies, ICACCT 2016	2017	9781467395458
gdtn: genome-based delay tolerant network formation in heterogeneous 5g using inter-ua collaboration	You I., Sharma V., Atiquzzaman M., Choo K.-K.R.	CSED	PLoS ONE	2016	
a secure authentication scheme with anonymity for session initiation protocol using elliptic curve cryptography	Zhang Z., Qi Q., Kumar N., Chilamkurti N., Jeong H.-Y.	CSED	Multimedia Tools and Applications	2015	
Guided dynamic particle swarm optimization for optimizing digital image watermarking in industry applications	Zheng Z., Saxena N., Mishra K.K., Sangaiah A.K.	CSED	Future Generation Computer Systems	2018	
detection and analysis of secure intelligent universal designated verifier signature scheme for electronic voting system	Zuo L., Kumar N., Tu H., Singh A., Chilamkurti N., Rho S.	CSED	Journal of Supercomputing	2014	9208542
A context sensitive thresholding technique for automatic image segmentation	Singla A., Patra S.	CSED	Smart Innovation, Systems and Technologies	2015	9788132222071
An improved SVM using predator prey optimization and Hooke-Jeeves method for speech recognition	Mittal T., Sharma R.K.	CSED	Journal of Engineering Research	2016	
Some solutions of generalised variable coefficients KdV equation by classical lie approach	Kumar R., Bansal A., Gupta R.K.	CSED	Springer Proceedings in Mathematics and Statistics	2016	9788132236382
A brief review of modeling approaches based on fuzzy time series	Singh P.	CSED	International Journal of Machine Learning and Cybernetics	2017	
Effect of undulation on SH-wave propagation in corrugated magneto-elastic transversely isotropic layer	Singh A.K., Mistri K.C., Kaur T., Chattopadhyay A.	CSED	Mechanics of Advanced Materials and Structures	2017	
Cellular automata: Elementary cellular automata	Bhardwaj R., Upadhyay A.	CSED	Journal of Organizational and End User Computing	2017	

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A Zero-Watermarking Scheme using Discrete Wavelet Transform	Rani A., Bhullar A.K., Dangwal D., Kumar S.	CSED	Procedia Computer Science	2015	
An empirical evaluation of a three-tier conduit framework for multifaceted test case classification and selection using fuzzy-ant colony optimisation approach	Kumar M., Sharma A., Kumar R.	CSED	Software - Practice and Experience	2015	
ECED					
Flat-Gain L-Band Raman-EDFA Hybrid Optical Amplifier for Dense Wavelength Division Multiplexed System	Singh, Simranjit; Kaler, R. S.	ECED	IEEE PHOTONICS TECHNOLOGY LETTERS	2013	1041-1135
Numeric Variable Forgetting Factor RLS Algorithm for Second-Order Volterra Filtering	Kohli, Amit Kumar; Rai, Amrita	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2013	1531-5878
Investigation of hybrid optical amplifiers with different modulation formats for DWDM optical communication system	Singh, Simranjit; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Influence of the word length and input power on nonlinear crosstalk induced by hybrid optical amplifiers	Singh, Simranjit; Kaler, R. S.	ECED	OPTICAL FIBER TECHNOLOGY	2013	1068-5200
Influence of distance between adjacent tubes on SWCNT bundle interconnect delay and power dissipation	Rai, Mayank Kumar; Sarkar, Sankar	ECED	JOURNAL OF COMPUTATIONAL ELECTRONICS	2013	1569-8025
Performance evaluation of hybrid optical amplifier for high-speed differential phase-shift keying-modulated optical signals	Singh, Simranjit; Kaler, Rajinder Singh	ECED	OPTICAL ENGINEERING	2013	1068-5200
High density and low leakage current based SRAM cell using 45nm technology	Akashe, Shyam; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2013	1362-3060
Simulative analysis of integrated DWDM and MIMO-OFDM system with OADM	Bhatia, Kamaljit Singh; Kaler, R. S.; Kamal, T. S.; Randhawa, Rajneesh	ECED	OPTIK	2013	0030-4026
Impact of Topography on Accuracy of Land Cover Spectral Change Vector Analysis Using AWiFS in Western Himalaya	Sharma, J. K.; Mishra, V. D.; Khanna, R.	ECED	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	2013	0974-3006
Performance evaluation of optical amplifier for 16 x 10, 32 x 10 and 64 x 10 Gbps WDM system	Kaur, Ramandeep; Randhawa, Rajneesh; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Investigation of OBS assembly technique based on various scheduling techniques for maximizing throughput	Gupta, Amit; Kaler, R. S.; Singh, Harbhajan	ECED	OPTIK	2013	0030-4026
Optimization of hybrid Raman/erbium-doped fiber amplifier for multi terabits WDM system	Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Investigation of four wave mixing effect with different number of input channels at various channel spacing	Monika; Wason, Arnit; Kaler, R. S.	ECED	OPTIK	2013	0030-4026

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Simulation of fiber to the hometruple play services at 2 Gbit/s using GE-PON architecture for 56 ONUs	Kocher, Deeksha; Kaler, R. S.; Randhawa, Rajneesh	ECED	OPTIK	2013	0030-4026
Performance analysis of optical network based on optical add drop multiplexers with different MZI techniques	Dewra, Sanjeev; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Analysis of Dirichlet, Generalized Hamming and Triangular window functions in the linear canonical transform domain	Goel, Navdeep; Singh, Kulbir	ECED	SIGNAL IMAGE AND VIDEO PROCESSING	2013	1863-1711
An inimitable scheduling technique for optical burst switched networks	Gupta, Amit; Kaler, R. S.; Singh, Harbhajan	ECED	OPTIK	2013	0030-4026
Design analysis and fabrication of novel coplanar waveguide-fed hybrid fractal-based Broadband antenna	Saluja, Nitin; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2013	1759-0795
Leakage Current Reduction Techniques for 7T SRAM Cell in 45 nm Technology	Akashe, Shyam; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2013	0929-6212
Analytical Parametric Modeling of Nanoscale Surrounding Gate MOSFET Based on the Poisson's Equation	Singh, Pawan Kumar; Sharma, Sanjay	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546-1955
Comparison of pre-, post- and symmetrical compensation for 96 channel DWDM system using PDCF and PSMF	Singh, Simranjit; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Long Period Fiber Grating Humidity Sensor With Gelatin/Cobalt Chloride Coating	Nidhi; Tiwari, Umesh; Panwar, Nishtha; Kaler, Rajinder Singh; Bhatnagar, Randhir; Kapur, Pawan	ECED	IEEE SENSORS JOURNAL	2013	1530-437X
Achieving maximum reliability in fault tolerant network design for variable networks	Kaushik, B.; Kaur, N.; Kohli, A. K.	ECED	APPLIED SOFT COMPUTING	2013	1568-4946
Novel anti-jamming technique for OCDMA network through FWM in SOA based wavelength converter	Jyoti, Vishav; Kaler, R. S.	ECED	OPTICAL FIBER TECHNOLOGY	2013	1068-5200
Reducing Leakage Power for SRAM Design Using Sleep Transistor	Khandelwal, S.; Akashe, S.; Sharma, S.	ECED	ACTA PHYSICA POLONICA A	2013	1610-1928
50 km bidirectional FTTH transmission comparing different PON standards	Kocher, Deeksha; Kaler, R. S.; Randhawa, Rajneesh	ECED	OPTIK	2013	0030-4026
Hybrid optical amplifiers for 64 x 10 Gb ps dense wavelength division multiplexed system	Singh, Simranjit; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Crosstalk analysis in an optical network based on optical cross connects with different MZI techniques	Dewra, Sanjeev; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Performance evaluation of an optical network based on optical cross add drop multiplexer	Dewra, Sanjeev; Kaler, R. S.	ECED	JOURNAL OF OPTICAL TECHNOLOGY	2013	1070-9762

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All Optical Wavelength Conversion Based on Cross Polarization Modulation in Semiconductor Optical Amplifier	Singh, Surinder; Ye, Xiaohua; Kaler, R. S.	ECED	JOURNAL OF LIGHTWAVE TECHNOLOGY	2013	0733-8724
Blocking probability of algorithms for different wavelength assignment in optical ring network	Singal, Anuj; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Read Write Stability of Dual-Vt 7T SRAM Cell at 45 nm Technology	Akashe, Shyam; Sharma, Sanjay	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546-1955
Performance comparison of quadrature amplitude modulation (QAM)-based single- and double-stage digital interpolators	Ratan, Rajeev; Sharma, Sanjay; Kohli, Amit K.	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2013	1362-3060
Gain Adapted Optimum Mixture Estimation Scheme for Single Channel Speech Separation	Kapoor, Divneet Singh; Kohli, Amit Kumar	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2013	1531-5878
Performance evaluation of optical add drop multiplexers with Mach-Zehnder interferometer techniques for dense wavelength division multiplexed system	Dewra, Sanjeev; Kaler, R. S.	ECED	JOURNAL OF OPTICAL TECHNOLOGY	2013	1070-9762
Design Trade-Offs for Nanoscale Process and Material Parameters on 7T SRAM Cell	Akashe, Shyam; Sharma, Sanjay	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546-1955
Game Theoretic Pattern Analysis for Identification of Odors/Gases Using Response of a Poorly Selective Sensor Array	Kumar, Ravi	ECED	IEEE SENSORS JOURNAL	2013	1530-437X
Implementation and performance analysis of three dimensional (3D) space/wavelength/time single pulse per plane codes with direct detection	Garg, Minal; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Low-Voltage FGMOS Based Voltage-to-Current Converter	Pandey, Rishikesh; Gupta, Maneesha	ECED	INFORMACIJE MIDEM-JOURNAL OF MICROELECTRONICS ELECTRONIC COMPONENTS AND MATERIALS	2013	2232-6979
Analysis of FRFT Based MMSE Receiver for MIMO Systems	Singh, Simranjit; Khanna, Rajesh; Patterh, Manjeet Singh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2013	0929-6212
Designing of Farrow Structure Based Interpolators on Nanometer Based Field Programmable Gate Arrays Technology	Ratan, Rajeev; Sharma, Sanjay; Kohli, Amit K.	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546-1955
IMAGE RETRIEVAL ALGORITHM BASED ON DISCRETE FRACTIONAL TRANSFORMS	Jindal, Neeru; Singh, Kulbir	ECED	JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS	2013	1335-3632
Modeling of a Power Amplifier for Digital Pre-distortion Applications using Simplified Complex Memory Polynomial	Pasricha, Ruchi; Sharma, Sanjay	ECED	APPLIED MATHEMATICS & INFORMATION SCIENCES	2013	2325-0399
Design of SRAM Cell Based Memory Array in Nano-Scaled Technology	Akashe, Shyam; Sharma, Sanjay	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546-1955

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Performance Comparison of QPSK Based Single and Double Stage Digital Interpolators	Ratan, R.; Sharma, S.; Kohli, A. K.	ECED	ACTA PHYSICA POLONICA A	2013	1610-1928
Efficient Implementation of Multistage Digital Interpolators Using Half Band Filters	Ratan, R.; Sharma, S.; Kohli, A. K.	ECED	ACTA PHYSICA POLONICA A	2013	1610-1928
Improved Fractional Channel Estimation for MIMO Systems in the Low SNR Regime	Singh, Simranjit; Khanna, Rajesh; Patterh, Manjeet Singh	ECED	ELEKTRONIKA IR ELEKTROTECHNIKA	2013	1392-1215
Performance of RZ and NRZ modulation-Format in 40-160 Gb/s OTDM system demultiplexing	Kaur, Sanmukh; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
QoS provisioning by novel parallel LSP based routing/signaling protocol in GMPLS network	Oberoi, Anshu; Sohal, J. S.; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Analysis of impact of control-plane on an efficient switching paradigm: OBS of IP/WDM networks	Oberoi, Anshu; Sohal, J. S.; Kaler, R. S.	ECED	OPTIK	2013	0030-4026
Performance evaluation of algorithms for wavelength assignment in optical ring network	Randhawa, Rajneesh; Kaler, R. S.; Singal, Anuj	ECED	OPTIK	2013	0030-4026
Novel Optical Flat-Gain Hybrid Amplifier for Dense Wavelength Division Multiplexed System	Singh, Simranjit; Kaler, R. S.	ECED	IEEE PHOTONICS TECHNOLOGY LETTERS	2014	1041-1135
Performance investigation of Raman erbium-doped fiber amplifier hybrid optical amplifier in the scenario of high-speed orthogonal-modulated signals	Singh, Simranjit; Kaler, Rajinder Singh	ECED	OPTICAL ENGINEERING	2014	0091-3286
Network selection algorithm based on link quality parameters for heterogeneous wireless networks	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	ECED	OPTIK	2014	0030-4026
Particle swarm optimization based network selection in heterogeneous wireless environment	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	ECED	OPTIK	2014	0030-4026
Multiparameter optimization of a Raman fiber amplifier using a genetic algorithm for an L-band dense wavelength division multiplexed system	Singh, Simranjit; Saini, Sonak; Kaur, Gurpreet; Kaler, Rajinder Singh	ECED	OPTICAL ENGINEERING	2014	0091-3286
All-optical circular shift register based on semiconductor optical amplifiers	Kaur, Sanmukh; Kaler, R. S.	ECED	OPTICAL AND QUANTUM ELECTRONICS	2014	0306-8919
Development of dual-band microstrip patch antenna for WLAN/MIMO/WIMAX/AMSAT/WAVE applications	Kaur, Jaswinder; Khanna, Rajesh	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098-2760

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Novel dual-band multistrip monopole antenna with defected ground structure for WLAN/IMT/BLUETOOTH/WIMAX applications	Kaur, Jaswinder; Khanna, Rajesh; Kartikeyan, Machavaram	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2014	1759-0795
Adaptive Polynomial Filtering using Generalized Variable Step-Size Least Mean pth Power (LMP) Algorithm	Rai, Amrita; Kohli, Amit Kumar	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2014	1531-5878
On the Optimization of Raman Fiber Amplifier using Genetic Algorithm in the Scenario of a 64 nm 320 Channels Dense Wavelength Division Multiplexed System	Singh, Shnranjit; Saini, Sonak; Knur, Gurpreet; Kaler, Rajinder Singh	ECED	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2014	1226-4776
Modified correlation theorem for the linear canonical transform with representation transformation in quantum mechanics	Goel, Navdeep; Singh, Kulbir	ECED	SIGNAL IMAGE AND VIDEO PROCESSING	2014	1863-1711
Adaptive Generator Sequence Selection in Multilevel Space-Time Trellis Codes	Jain, Dharmvir; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2014	0929-6212
Performance Evaluation and Characterization of Hybrid Optical Amplifiers for Dwdm Systems at Ultra Narrow Channel Spacing	Singh, Simranjit; Kaler, R. S.	ECED	JOURNAL OF RUSSIAN LASER RESEARCH	2014	1071-2836
Adaptively Grouped Multilevel Space-Time Trellis Codes	Jain, Dharmvir; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2014	0929-6212
Optimizing the Net Gain of a Raman-EDFA Hybrid Optical Amplifier using a Genetic Algorithm	Singh, Simranjit; Kaler, Rajinder Singh	ECED	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2014	1226-4776
Adaptively Grouped Multilevel Space-Time Trellis Codes Combined with Beamforming and Component Code Selection	Jain, Dharmvir; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2014	0929-6212
Crosstalk Analysis in CNT Bundle Interconnects for VLSI Application	Rai, Mayank Kumar; Khanna, Rajesh; Sarkar, Sankar	ECED	IEEE TRANSACTIONS ON ELECTRICAL AND ELECTRONIC ENGINEERING	2014	1931-4981
Investigation on wavelength re-modulated bi-directional passive optical network for different modulation formats	Singh, Simranjit; Kapoor, Amit; Kaur, Gurpreet; Kaler, R. S.; Goyal, Rakesh	ECED	OPTIK	2014	0030-4026
Control of tube parameters on SWCNT bundle interconnect delay and power dissipation	Rai, Mayank Kumar; Khanna, Rajesh; Sarkar, Sankar	ECED	MICROELECTRONICS INTERNATIONAL	2014	1356-5362
Standard-Compliant Low-Pass Temporal Filter to Reduce the Perceived Flicker Artifact	Jimenez-Moreno, Amaya; Martinez-Enriquez, Eduardo; Kumar, Vinay; Diaz-de-Maria, Fernando	ECED	IEEE TRANSACTIONS ON MULTIMEDIA	2014	1520-9210
Multiband antenna structure for heterogeneous wireless communication systems using DGS technique	Parkash, Davinder; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2014	1759-0795

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Power transient and its control in Raman-erbium doped fiber amplifier hybrid optical amplifier subject to multi-channel bursty traffic	Singh, Simranjit; Kaler, R. S.	ECED	JOURNAL OF OPTICAL TECHNOLOGY	2014	1070-9762
Network Selection Based on Weight Estimation of QoS Parameters in Heterogeneous Wireless Multimedia Networks	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2014	0929-6212
Optimization and Development of O-shaped Triple-band Microstrip Patch Antenna for Wireless Communication Applications	Kaur, Jaswinder; Khanna, Rajesh; Kartikeyan, M. V.	ECED	IETE JOURNAL OF RESEARCH	2014	0974-780X
Design, Analysis and Comparison of Various MEMS Switches for Reconfigurable Planar Antenna	Chawla, Paras; Khanna, Rajesh	ECED	ACTA POLYTECHNICA HUNGARICA	2014	1785-8860
Investigation of wavelength division multiplexed hybrid ring-tree-star network topology to enhance the system capacity	Singh, Simranjit; Raman; Kaler, R. S.	ECED	OPTIK	2014	0030-4026
Multistage gain-flattened hybrid optical amplifier at reduced wavelength spacing	Singh, Simranjit; Kaler, R. S.	ECED	OPTIK	2014	0030-4026
All optical SR and D flip-flop employing XGM effect in semiconductor optical amplifiers	Kaur, Sanmukh; Kaler, R. S.	ECED	OPTIK	2014	0030-4026
A novel robust logo watermarking scheme using fractional M-band wavelet transform	Singh, H.; Kaur, L.; Singh, K.	ECED	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064-2269
Image and video processing using discrete fractional transforms	Jindal, Neeru; Singh, Kulbir	ECED	SIGNAL IMAGE AND VIDEO PROCESSING	2014	1863-1711
Flat-gain characteristics of C plus L slit-band hybrid waveguide amplifier for dense wavelength division multiplexed system at reduced channel spacing	Singh, Simranjit; Kaler, R. S.	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842-6573
TRIPLE BAND RECTANGULAR-SHAPED MONOPOLE ANTENNA FOR WLAN/WiMAX/UWB APPLICATIONS	Parkash, Davinder; Khanna, Rajesh	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098-2760
Investigation on polarization dependent bidirectional hybrid (WDM/TDM) utilizing QAM modulation with different amplifiers	Goyal, Rakesh; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842-6573
Performance investigation of bidirectional Hybrid (wavelength-division multiplexing/time-division multiplexing) passive optical network	Goyal, Rakesh; Kaler, R. S.	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842-6573
Placements of Hybrid/conventional optical amplifiers in a multi-wavelength dense metropolitan area network	Singh, Simranjit; Kaler, R. S.	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842-6573

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Parametric Analysis of a Novel Architecture of Phase Locked Loop for Communication System	Patel, Govind Singh; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2014	0929-6212
Fractional M-band dual tree complex wavelet transform for digital watermarking	Singh, Harpal; Kaur, Lakhwinder; Singh, Kulbir	ECED	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2014	0256-2499
5 GHz all-optical binary counter employing SOA-MZIs and an optical NOT gate	Kaur, Sanmukh; Kaler, R. S.	ECED	JOURNAL OF OPTICS	2014	0972-8821
Enhancement of sensitivity of the refractive index using ITO coating on LPG	Nidhi; Kaler, R. S.; Kapur, Pawan	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842-6573
Realization of High Speed All-Optical Half Adder and Half Subtractor Using SOA Based Logic Gates	Singh, Simranjit; Kaler, Rajinder Singh; Kaur, Rupinder	ECED	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2014	1226-4776
ANALYTICAL INVESTIGATION ON PAPR REDUCTION IN OFDM SYSTEMS USING GOLAY CODES	Uppal, Sabhyata; Sharma, Sanjay; Singh, Hardeep	ECED	JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS	2014	1335-3632
Joint image compression-encryption using discrete fractional transforms	Jindal, N.; Singh, K.	ECED	IMAGING SCIENCE JOURNAL	2014	1368-2199
Wireless Fading Paradigm for Antenna Array Receiver for a Disk-Type Cluster of Scatterers	Singh, Surjeet; Kohli, Amit Kumar	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2014	1531-5878
Analysis of Magneto-inductive System for Rocket Sled Velocity Measurement Beyond Mach 1.5	Khosla, P. K.; Khanna, Rajesh; Sood, Sanjay P.	ECED	DEFENCE SCIENCE JOURNAL	2014	0011-748X
Parametric Analysis to Reduce Phase Noise of Frequency Synthesizers for Wireless Communication System	Patel, Govind Singh; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2014	0929-6212
Low cost architecture to integrate multiple PONs to a long reach spectrum sliced WDM network	Kaur, Komal Preet; Randhawa, Rajneesh; Kaler, R. S.	ECED	OPTIK	2014	0030-4026
Theoretical and Experimental Study of Long-Period Grating Refractive Index Sensor	Nidhi; Kaler, R. S.; Kapur, Pawan	ECED	FIBER AND INTEGRATED OPTICS	2014	1096-4681
Humidity Sensing Using Gelatin and Cobalt Chloride Coating on Indium Tin Oxide-Coated Long-Period Grating	Nidhi; Kaler, R. S.; Kapur, Pawan	ECED	FIBER AND INTEGRATED OPTICS	2014	1096-4681
Analytical Design, Simulation & Evaluation of Proposed OCDMA with Message Priority Fast Routing Codes	Monga, Himanshu; Kaler, R. S.	ECED	NATIONAL ACADEMY SCIENCE LETTERS-INDIA	2014	2250-1754
DESIGN, ANALYSIS, AND FABRICATION OF A NOVEL MULTIBAND FOLDED EDGE COMPACT SIZE FRACTAL PIFA FOR WIFI/LTE/WIMAX/WLAN APPLICATION	Saluja, Nitin; Khanna, Rajesh	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098-2760

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Performance comparison of proposed 3-d coherent spatial-phase-time coding/decoding with super structured fiber Bragg grating-based optical CDMA systems	Monga, H.; Kaler, R. S.	ECED	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064-2269
Investigating wavelength allocation and suitable modulation format for 2-d wavelength/time and 3-d wavelength/time/space codes in order to enhance system performance	Monga, H.; Kaler, R. S.	ECED	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064-2269
Performance evaluation of optical code division multiple access systems	Monga, H.; Kaler, R. S.	ECED	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064-2269
Design and fabrication of a novel hexagonal reconfigurable antenna with RF switches for mobile terminal	Chawla, P.; Khanna, R.	ECED	JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA	2014	1391-4588
Field Programmable Gate Arrays-Nanotechnology Based Analysis, Design and Implementation of All-Digital Phase Locked Loop	Patel, Govind Singh; Sharma, Sanjay	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2014	1546-1955
Development of dual-band microstrip patch antenna for WLAN/MIMO/WiMAX/AMSAT/WAVE applications (vol 56, pg 988, 2014)	Kaur, Jaswinder	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098-2760
SPECTRALLY EFFICIENT 3D OPTICAL CDMA USING COHERENT SPATIAL PHASE-TIME CODING/DECODING	Monga, Himanshu; Kaler, R. S.	ECED	JOURNAL OF RUSSIAN LASER RESEARCH	2014	1071-2836
Substrate Coupling of RF CMOS on Lightly Doped Substrate for Nanoscale Mixed-Signal Design	Singh, Pawan Kumar; Sharma, Sanjay	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2014	1546-1955
A Dynamic Response, Transformed Cluster Analysis and Radial Basis Function Neural Network Based Gases/Odors Identification Approach Using a Thick Film Gas Sensor Array	Sunny; Kumar, Ravi; Mishra, V. N.; Das, R. R.	ECED	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2014	1546-1955
PREDICTING THE JITTER OF PLL-DLL BASED FREQUENCY SYNTHESIZERS	Patel, Govind S.; Sharma, S.	ECED	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING	2014	1793-690X
Multi parameter optimization of Raman Fiber Amplifier using genetic algorithm for S band dense wavelength division multiplexed system	Singh, Simranjit; Saini, Sonak; Kaler, R. S.; Kaur, Ramandeep	ECED	OPTIK	2014	0030-4026
Performance analysis of WDM-PON architecture using different receiver filters	Kaur, Komal Preet; Randhawa, Rajneesh; Kaler, R. S.	ECED	OPTIK	2014	0030-4026
Linear Power Division Approximation for Stimulated Raman Scattering	Sobti, Lokesh; Arora, Vaibhav; Singh, Hardeep	ECED	FIBER AND INTEGRATED OPTICS	2014	1096-4681

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Performance optimization of EDFA-Raman hybrid optical amplifier using genetic algorithm	Singh, Simranjit; Kaler, R. S.	ECED	OPTICS AND LASER TECHNOLOGY	2015	0030-3992
Performance investigation of optical multicast overlay system using orthogonal modulation format	Singh, Simranjit; Singh, Sukhbir; Kaur, Ramandeep; Kaler, R. S.	ECED	OPTICS COMMUNICATIONS	2015	0030-4018
EEG Spike Detection Technique Using Output Correlation Method: A Kalman Filtering Approach	Garg, Harish Kumar; Kohli, Amit Kumar	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2015	1531-5878
Review on recent developments in hybrid optical amplifier for dense wavelength division multiplexed system	Singh, Simranjit; Kaler, Rajinder Singh	ECED	OPTICAL ENGINEERING	2015	0091-3286
Temperature dependant crosstalk analysis in coupled single-walled carbon nanotube (SWCNT) bundle interconnects	Rai, Mayank Kumar; Sarkar, Sankar	ECED	INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	2015	1097-007X
A novel grouped multilevel dynamic space-time trellis coding scheme	Jain, Dharmvir; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2015	1099-1131
Robust image-adaptive watermarking using an adjustable dynamic strength factor	Yadav, Navneet; Singh, Kulbir	ECED	SIGNAL IMAGE AND VIDEO PROCESSING	2015	1863-1711
Novel security enhancement technique against eavesdropper for OCDMA system using 2-D modulation format with code switching scheme	Singh, Simranjit; Kaur, Ramandeep; Singh, Amanvir; Kaler, R. S.	ECED	OPTICAL FIBER TECHNOLOGY	2015	0091-3286
Multiband rectangular-shaped ring antenna embedded with inverted S- and C-shaped strips for WLAN/WiMAX/UWB applications	Parkash, Davinder; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2015	1759-0795
Hydrogen Sensing Properties of Copper-Doped Zinc Oxide Thin Films	Malik, Rajesh Kumar; Khanna, Rajesh; Sharma, Ganpat Lal; Pavunny, Shojan Pullockaran; Katiyar, Ram S.	ECED	IEEE SENSORS JOURNAL	2015	1530-437X
Connectivity-based Cross-Layer Opportunistic Forwarding for MWSNs	Karyakarte, Mandar Subhash; Tavildar, Anil Srinivas; Khanna, Rajesh	ECED	IETE JOURNAL OF RESEARCH	2015	0974-780X
Performance investigation of semiconductor optical amplifier and raman amplifier as an optical sensors	Kaur, Gurpreet; Kaler, R. S.; Kwatr, Naveen	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842-6573
Optimum placement of optical amplifiers in a multi-wavelength hybrid network topology	Singh, Simranjit; Singh, Gauravpreet; Kaur, Gurpreet; Kaur, Ramandeep; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842-6573
Volterra Filtering Scheme using Generalized Variable Step-size NLMS Algorithm for Nonlinear Acoustic Echo Cancellation	Rai, Amrita; Kohli, Amit Kumar	ECED	ACTA ACUSTICA UNITED WITH ACUSTICA	2015	1610-1928

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All-Optical Binary Full Adder Using Logic Operations Based on the Nonlinear Properties of a Semiconductor Optical Amplifier	Kaur, Sanmukh; Kaler, Rajinder-Singh; Kamal, Tara-Singh	ECED	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2015	1226-4776
Novel Linear Decodable QO-STBC for Four Transmit Antennas with Transmit Antenna Shuffling	Sharma, Vineet; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2015	0929-6212
Photonic processing and realization of an all-optical digital comparator based on semiconductor optical amplifiers	Singh, Simranjit; Kaur, Ramandeep; Kaler, Rajinder Singh	ECED	OPTICAL ENGINEERING	2015	0091-3286
Simulation of Basis Expansion Model for Channel Fading Using AR1 Process	Kapoor, Divneet Singh; Kohli, Amit Kumar	ECED	WIRELESS PERSONAL COMMUNICATIONS	2015	0929-6212
Modified CPW-fed rotated E-slot antenna for LTE/WiMAX applications	Singla, Geetanjali; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2015	1759-0795
Optimal Network Selection in Heterogeneous Wireless Environment for Multimedia Services	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2015	0929-6212
Weighted adaptively grouped multilevel space time trellis codes	Jain, Dharmvir; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2015	1362-3060
Quantification and Mitigation of Errors in the Inertial Measurements of Distance	Khosla, P. K.; Khanna, R.; Sood, S. P.	ECED	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2015	0970-039
A new spiral frequency reconfigurable antenna with RF-MEMS switches for mobile RF front end	Chawla, Paras; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS	2015	1875-8800
A STACKED SIERPINSKI GASKET FRACTAL ANTENNA WITH A DEFECTED GROUND STRUCTURE FOR UWB/WLAN/RADIO ASTRONOMY/STM LINK APPLICATIONS	Kaur, Amanpreet; Khanna, Rajesh; Kartikeyan, Machavaram V.	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2015	1098-2760
Protection and evaluation of bus and ring topologies using hybrid RAMAN-EDFA amplifier	Dewra, Sanjeev; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842-6573
Connectivity Based Energy Efficient Opportunistic Robust Routing for Mobile Wireless Sensor Networks	Karyakarte, Mandar Subhash; Tavildar, Anil Srinivas; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2015	0929-6212
AN ALGORITHM OF IMPAIRMENT AWARE ROUTING FOR WAVELENGTH DIVISION MULTIPLEXED OPTICAL NETWORKS	Kaur, Karamjit; Singh, Hardeep	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2015	1098-2760
Performance Analysis of Adaptively Grouped Multilevel Space-Time Trellis Coded Systems using Different Component Codes	Jain, Dharmvir; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2015	0929-6212
Performance analysis of optical wireless link under various atmospheric conditions using Fresnel lens technique	Sharma, A.; Kaler, R. S.	ECED	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2015	1454-4164

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Design and analysis of stair-shape UWB antenna with flowery DGS	Kaur, Sukhdeep; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2015	1759-0795
A novel extended edge-based compact PIFA antenna for mobile devices	Saluja, Nitin; Khanna, Rajesh	ECED	OPTIK	2015	0030-4026
Improved neural approach in maximising reliability for increasing networks	Kaushik, Baijnath; Kaur, Navdeep; Kohli, Amit Kumar	ECED	INTERNATIONAL JOURNAL OF COMPUTATIONAL SCIENCE AND ENGINEERING	2015	1741-7193
Enhanced ground bounce noise reduction in a low-leakage CMOS multiplier	Verma, Bipin Kumar; Akashe, Shyam; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2015	1362-3060
Fiber Bragg Grating Based Technique for Sensing Current	Nidhi; Tiwari, U.; Mishra, V.; Kaler, R. S.; Jain, S. C.; Singh, N.; Kapur, P.	ECED	EXPERIMENTAL TECHNIQUES	2015	0732-8818
Upper Bounds on Overloaded LDPC-Optimum Combined System Over Rayleigh Fading Channel	Sharma, Surbhi; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2015	0929-6212
High performance 8 bit cascaded carry look ahead adder with precise power consumption	Johri, Raj; Akashe, Shyam; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2015	1099-1131
Performance investigation of free space optical communication system using Gaussian beam wave	Sharma, A.; Kaler, R. S.	ECED	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2015	1454-4164
Effect of electric field on metallic SWCNT interconnects for nanoscale technologies	Kaur, Harsimran; Sandha, Karamjit Singh	ECED	JOURNAL OF SEMICONDUCTORS	2015	1674-4926
Bit error rate analysis of FrFT appended OFDM system	Kansal, Ankush; Singh, Kulbir; Saxena, Rajiv	ECED	OPTIK	2015	0030-4026
Placement of dynamic reconfigurable optical add/drop multiplexer using dynamic channel equalizer in an optical communication system	Dewra, Sanjeev; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842-6573
Modified Grey Wolf Optimizer for Global Engineering Optimization	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	ECED	APPLIED COMPUTATIONAL INTELLIGENCE AND SOFT COMPUTING	2016	1697-9724
Thermally aware performance analysis of single-walled carbon nanotube bundle as VLSI interconnects	Rai, Mayank Kumar; Kaushik, Brajesh Kumar; Sarkar, Sankar	ECED	JOURNAL OF COMPUTATIONAL ELECTRONICS	2016	1569-8025
A Novel Binary Spider Monkey Optimization Algorithm for Thinning of Concentric Circular Antenna Arrays	Singh, Urvinder; Salgotra, Rohit; Rattan, Munish	ECED	IETE JOURNAL OF RESEARCH	2016	0974-780X
Optimal Synthesis of Linear Antenna Arrays Using Modified Spider Monkey Optimization	Singh, Urvinder; Salgotra, Rohit	ECED	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	2016	2193-567X
Suppression of impulsive noise in OFDM system using imperfect channel state information	Bansal, Abhishek; Kohli, Amit Kumar	ECED	OPTIK	2016	0030-4026

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Adaptive Filtering Techniques using Cyclic Prefix in OFDM Systems for Multipath Fading Channel Prediction	Kohli, Amit Kumar; Kapoor, Divneet Singh	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2016	1531-5878
On the optimization of fiber Bragg grating optical sensor using genetic algorithm to monitor the strain of civil structure with high sensitivity	Kaur, Gurpreet; Kaler, Rajinder Singh; Kwatra, Naveen	ECED	OPTICAL ENGINEERING	2016	0091-3286
Convolution and correlation theorems for the offset fractional Fourier transform and its application	Goel, Navdeep; Singh, Kulbir	ECED	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2016	1434-8411
BER Performance of SFBC OFDM System Over TWDP Fading Channel	Singh, Daljeet; Joshi, Hem Dutt	ECED	IEEE COMMUNICATIONS LETTERS	2016	1089-7798
Digital background calibration of charge pump based pipelined ADC	Singh, Anil; Agarwal, Alpana	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2016	1362-3060
Photonic crystal waveguide-based biosensor for detection of diseases	Chopra, Harshita; Kaler, Rajinder S.; Painam, Balveer	ECED	JOURNAL OF NANOPHOTONICS	2016	1934-2608
Exploitation of Slotted Multilayer Coatings for the Enhancement of Light Transmission and Sensitivity Through Surface Plasmon Resonance Waveguide	Teotia, Pradeep; Kaler, R. S.	ECED	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2016	1555-130X
Multiplicative filtering in the linear canonical transform domain	Goel, Navdeep; Singh, Kulbir; Saxena, Rajiv; Singh, Ashutosh Kumar	ECED	IET SIGNAL PROCESSING	2016	1751-9675
Exact SER Analysis of DFrFT-Based QPSK OFDM System over Frequency Selective Rayleigh Fading Channel with CFO	Kumar, Atul; Magarini, Maurizio; Joshi, Hem Dutt; Saxena, Rajiv	ECED	JOURNAL OF COMPUTER NETWORKS AND COMMUNICATIONS	2016	2090-7141
Quaternion Domain k-Means Clustering for Improved Real Time Classification of E-Nose Data	Kumar, Ravi; Dwivedi, Ramashraya	ECED	IEEE SENSORS JOURNAL	2016	1530-437X
Active layer identification of photonic crystal waveguide biosensor chip for the detection of Escherichia coli	Painam, Balveer; Kaler, Rajinder S.; Kumar, Mukesh	ECED	OPTICAL ENGINEERING	2016	0091-3286
Performance analysis of multilayer graphene nanoribbon (MLGNNR) interconnects	Rai, Mayank Kumar; Chatterjee, Ashoke Kumar; Sarkar, Sankar; Kaushik, B. K.	ECED	JOURNAL OF COMPUTATIONAL ELECTRONICS	2016	1569-8025
Un-supervised segmentation and quantisation of malignancy from breast MRI images	Ratan, Rajeev; Kohli, P. G.; Sharma, Sanjay K.; Kohli, Amit K.	ECED	JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA	2016	1391-4588
Charge pump-based MOSFET-only 1.5-bit pipelined ADC stage in digital CMOS technology	Singh, Anil; Agarwal, Alpana	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2016	1362-3060
Semi Spiral G-shaped dual wideband Microstrip Antenna with Aperture feeding for WLAN/WiMAX/U-NII band applications	Kaur, Amanpreet	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2016	1759-0795

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FPGA implementation of low complexity LDPC iterative decoder	Verma, Shivani; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2016	1362-3060
Effect of different TM modes on the sensitivity of surface plasmon resonance based optical fiber sensor	Pragya, Saxena; Teotia, Pradeep; Kaler, R. S.	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
Index insensitive micro-strain sensor based on hollow core photonic crystal fiber	Khanna, Shailly; Kaler, R. S.	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
Network selection based on available link bandwidth in multi-access networks	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	ECED	DIGITAL COMMUNICATIONS AND NETWORKS	2016	2352-8648
Novel Interleaver Design for Turbo Codes	Pasricha, Shivani; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2016	0929-6212
Multilevel space-time trellis coded cooperation with channel state information at transmitter	Aneja, Sakshi; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2016	1099-1131
Optimal Selective Count Compatible Runlength Encoding for SOC Test Data Compression	Vohra, Harpreet; Singh, Amardeep	ECED	JOURNAL OF ELECTRONIC TESTING-THEORY AND APPLICATIONS	2016	0923-8174
Performance analysis of DWDM system with dynamic ROADM based on PLC and WSS	Dewra, Sanjeev; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
Performance enhancement of recycling residual pumped hybrid Raman-EDFA in bi-directional wavelength division multiplexed-passive optical network	Singh, Simranjit; Chandel, Chanakya; Kaur, Ramandeep; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
Design and analysis of 2D photonic crystal wavelength routers using micro-ridge and arc waveguides	Kaur, Harkiranjeet; Kaler, R. S.; Painam, Balveer	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
Performance analysis of different amplifiers for polarization-dependent 10 Gbps bidirectional hybrid WDM/TDM PON with the 16-QAM technique	Goyal, Rakesh; Kaler, R. S.; Kamal, T. S.	ECED	JOURNAL OF OPTICAL TECHNOLOGY	2016	1070-9762
Block-Based High Capacity Multilevel Image Steganography	Kasana, Geeta; Singh, Kulbir; Bhatia, Satvinder Singh	ECED	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2016	0218-1266
Optimization and efficient routing scenario of system using C-band: reconfigurable multiwavelength optical cross connect based on tunable fiber Bragg grating and optical circulator	Singh, Manpreet; Dewra, Sanjeev; Kaler, Rajinder S.	ECED	OPTICAL ENGINEERING	2016	0091-3286
Analysis of SAC-OCDMA system to reduce MAI using Fiber Bragg Gratings and MDW codes	Goyal, Rakesh; Kaur, Navpreet; Kaler, Rajinder Singh; Rani, Monika	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
Multi-level threshold based edge detector using logical operations	Singh, Kiran Jot; Kapoor, Divneet Singh; Sharma, Anshul; Kohli, Amit Kumar	ECED	JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA	2016	1391-4588

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Gate Tunnelling Current Model for Nanoscale MOSFETs with Varying Surface Potential	Kushwaha, Madhu; Prasad, B.; Chatterjee, A. K.	ECED	IETE JOURNAL OF RESEARCH	2016	0974-780X
Performance comparison of pre-, boost-, and inline-multimode erbium-doped fiber amplifier configurations to boost mode-division multiplexed multimode fiber link	Gupta, Rajan; Kaler, Rajinder Singh	ECED	OPTICAL ENGINEERING	2016	0091-3286
A Novel Design and Performance Analysis of High Gain Dual Band Dielectric Resonator Antenna Mounted with Horn	Batra, Deepak; Sharma, Sanjay; Kohli, Amit Kumar	ECED	WIRELESS PERSONAL COMMUNICATIONS	2016	0929-6212
Isolated dual-band meander line antenna loaded with U-slot and modified CSRR for WLAN applications	Deepak; Kaur, Jaswinder	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2016	1098-2760
Cooperative multilevel dynamic space-time trellis coding scheme for improved system performance	Aneja, Sakshi; Sharma, Sanjay	ECED	IET COMMUNICATIONS	2016	1751-8628
A novel technique for automatic retrieval of embedded text from books	Yadav, Niharika; Kumar, Vinay	ECED	OPTIK	2016	0030-4026
Optimized mitigation of impulsive noise in OFDM system using CSI	Sehrawat, Shivani; Kohli, Amit Kumar	ECED	OPTIK	2016	0030-4026
Parameter estimation and tracking of sinusoid using variable-step-size LMS algorithms	Garg, Rohit; Kohli, Amit Kumar	ECED	OPTIK	2016	0030-4026
Spectral Analysis of Generalized Triangular and Welch Window Functions using Fractional Fourier Transform	Mohindru, Pooja; Khanna, Rajesh; Bhatia, S. S.	ECED	AUTOMATIKA	2016	0005-1144
Comparative study of different optical amplifiers for hybrid passive optical networks	Goyal, Rakesh; Kaler, Rajinder Singh; Kamal, Tara Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842-6573
An efficient robust watermarking scheme for varying sized blocks	Yadav, Navneet; Singh, Kulbir	ECED	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2016	1300-0632
Multisection optical parametric-Raman hybrid amplifier for terabit plus WDM systems	Kaur, Gaganpreet; Kaur, Gurmeet; Sharma, Sanjay	ECED	JOURNAL OF MODERN OPTICS	2016	1362-3044
Implementation of spectrally-coded FBG-based coder/decoder optical CDMA network to reduce the effect of four wave mixing	Monga, Himanshu; Kaler, R. S.	ECED	OPTIK	2016	0030-4026
Analysis of BER for M-QAM and QOS Enhancement for OFDM Systems	Uppal, Sabhyata; Sharma, Sanjay; Singh, Hardeep	ECED	WIRELESS PERSONAL COMMUNICATIONS	2016	0929-6212
Application of mutation operators to flower pollination algorithm	Salgotra, Rohit; Singh, Urvinder	ECED	EXPERT SYSTEMS WITH APPLICATIONS	2017	0957-4174
A stable energy efficient clustering protocol for wireless sensor networks	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	ECED	WIRELESS NETWORKS	2017	1022-0038

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Pattern Synthesis of Linear Antenna Arrays Using Enhanced Flower Pollination Algorithm	Singh, Urvinder; Salgotra, Rohit	ECED	INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION	2017	1022-0038
Magnetoelectric properties of microwave sintered BiFeO ₃ and Bi _{0.90} La _{0.10} Fe _{0.95} Mn _{0.05} O ₃ nanoceramics	Kolte, Jayant; Daryapurkar, A. S.; Agarwal, Mohit; Gulwade, D. D.; Gopalan, P.	ECED	MATERIALS CHEMISTRY AND PHYSICS	2017	0254-0584
A study of hydrothermally grown ZnO nanorod-based metal-semiconductor-metal UV detectors on glass substrates	Singh, Shaivalini; Kumar, Yogesh; Kumar, Hemant; Vyas, Sumit; Periasamy, Chinnamuthan; Chakrabarti, Parthasarathi; Jit, Satyabrata; Park, Si-Hyun	ECED	NANOMATERIALS AND NANOTECHNOLOGY	2017	1847-9804
Fractional Fourier Transform and Fractional-Order Calculus-Based Image Edge Detection	Kumar, Sanjay; Saxena, Rajiv; Singh, Kulbir	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2017	1531-5878
Performance investigation of suppression of four wave mixing using optical phase conjugation with different modulation format in DWDM soliton communication system	Kaur, G.; Kaler, R. S.; Singh, S.	ECED	JETP LETTERS	2017	0021-3640
Controlling the c-Si/a-Si:H interface in silicon heterojunction solar cells fabricated by HWCVD	Agarwal, Mohit; Pawar, Abhijeet; Wadibhasme, Nilesh; Dusane, Rajiv	ECED	SOLAR ENERGY	2017	0038-092X
Improved JPEG anti-forensics with better image visual quality and forensic undetectability	Singh, Gurinder; Singh, Kulbir	ECED	FORENSIC SCIENCE INTERNATIONAL	2017	0379-0738
UWB ANTENNA WITH DUAL NOTCHED BAND FOR WiMAX AND WLAN APPLICATIONS	Singh, Ajeet Pratap; Khanna, Rajesh; Singh, Hardeep	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2017	1098-2760
Performance analysis of spectrum sensing techniques over TWDP fading channels for CR based IoTs	Singh, Supreet; Sharma, Surbhi	ECED	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2017	1434-8411
Investigations on highly sensitive fiber Bragg gratings with different grating shapes for far field applications	Kaur, Gurpreet; Kaler, R. S.; Kwatra, Naveen	ECED	OPTIK	2017	0030-4026
Excision of Ocular Artifacts from EEG Using NVFF-RLS Adaptive Algorithm	Garg, Harish Kumar; Kohli, Amit Kumar	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2017	1531-5878
Fabrication and characterization of ZnO-based ultra-violet photoconductor and photodetector	Vyas, Sumit	ECED	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2017	1454-4164
A review and comparison of multi-view 3D reconstruction methods	Jadhav, Tushar; Singh, Kulbir; Abhyankar, Aditya	ECED	JOURNAL OF ENGINEERING RESEARCH	2017	2307-1877
Temperature-Dependent Modeling and Crosstalk Analysis in Mixed Carbon Nanotube Bundle Interconnects	Rai, Mayank Kumar; Garg, Harsh; Kaushik, B. K.	ECED	JOURNAL OF ELECTRONIC MATERIALS	2017	0361-5235

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An X-shaped fractal antenna with DGS for multiband applications	Gupta, Ankush; Joshi, Hem Dutt; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759-0795
Realization of the three-qubit quantum controlled gate based on matching Hermitian generators	Gautam, Kumar; Rawat, Tarun Kumar; Parthasarathy, Harish; Sharma, Navneet; Upadhyaya, Varun	ECED	QUANTUM INFORMATION PROCESSING	2017	1570-0755
A multilayer dual wideband circularly polarized microstrip antenna with DGS for WLAN/Bluetooth/ZigBee/Wi-Max/IMT band applications	Kaur, Amanpreet; Khanna, Rajesh; Kartikeyan, Machavaram	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759-0795
Impact of tunneling conductance on the performance of multi walled carbon nanotubes as VLSI interconnects for nano-scaled technology nodes	Litoria, Prakhar; Sandha, Karmjit Singh; Kansal, Ankush	ECED	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	2017	0957-4522
Label Free Chemical and Biochemical Sensing Using Photonic Crystal Waveguide at Sodium D-Line	Painam, Balveer; Kaler, R. S.; Kumar, Mukesh	ECED	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2017	1555-130X
Monitoring of biofilm aging in a Sphingomonas sp strain from public drinking water sites through changes in capacitance	Gulati, Parul; Singh, Pawandeep; Chatterjee, Arun Kumar; Ghosh, Moushumi	ECED	ENVIRONMENTAL TECHNOLOGY	2017	0959-3330
A GENERALIZED NON-LINEAR METHOD FOR DISTORTION CORRECTION AND TOP-DOWN VIEW CONVERSION OF FISH EYE IMAGES	Bawa, Vivek Singh; Kumar, Krishan; Kumar, Vinay	ECED	IMAGE ANALYSIS & STEREOLOGY	2017	1580-3139
Performance optimisation of RF energy harvesting relay-based interweave/underlay cognitive radio network	Singh, Supreet; Sharma, Surbhi	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2017	1362-3060
Design of photonic crystal add-drop filters based on quasi-ring cavities	Kaur, Harkiranjeet; Kaler, Rajinder Singh; Painam, Balveer	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842-6573
Sensitivity Enhancement of Photonic Crystal Waveguide Based Sensor Using Ring Shaped Holes	Chopra, Harshita; Kaler, R. S.; Painam, Balveer	ECED	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2017	1555-130X
Power and Area Efficient Pipelined ADC Stage in Digital CMOS Technology	Singh, Anil; Agarwal, Alpana	ECED	IETE TECHNICAL REVIEW	2017	0256-4602
A cost effective bidirectional hybrid passive optical network using common carrier for all optical network units (CCAONUs) technique with mitigation of non linearity impact	Goyal, Rakesh; Kaler, Rajinder Singh; Kamal, Tara Singh	ECED	OPTIK	2017	0030-4026
All-optical NOR gate based on cross structures in 2D photonic crystal using logic NOT and OR gates	Rani, Deeksha; Kaler, Rajinder Singh; Painam, Balveer	ECED	JOURNAL OF OPTICAL TECHNOLOGY	2017	1070-9762

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Performance investigation of LP modes over MMF link to boost MIMO mode division multiplexing	Gupta, R.; Kaler, R. S.	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842-6573
Low-power 10-bit 100MS/s pipelined ADC in digital CMOS technology	Singh, Anil; Rawat, Veena; Agarwal, Alpana	ECED	IET CIRCUITS DEVICES & SYSTEMS	2017	1751-8598
A Modified Compact Ultra Wideband Antenna with Band Rejection for WLAN Applications	Singla, Geetanjali; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
Double-ring multiband microstrip patch antenna with parasitic strip structure for heterogeneous wireless communication systems	Singla, Geetanjali; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759-0795
Load Balancing Efficiency Improvement Using Hybrid Scheduling Algorithm in LTE Systems	Sonia; Khanna, Rajesh; Kumar, Neeraj	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
Sensing period adaptation for multiobjective optimisation in cognitive radio using Jaya algorithm	Kaur, A.; Sharma, S.; Mishra, A.	ECED	ELECTRONICS LETTERS	2017	0013-5194
Investigation on coherent optical orthogonal frequency division multiplexing using coherent detection in optical communication system	Kaur, Gurpreet; Kaler, Rajinder Singh; Randhawa, Rajneesh; Kumar, Ankit	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842-6573
Comparative analysis of 40 Gbps Duo binary and VSB modulated data using second order PMD models on first order PMD compensator	Geetika; Kaler, R. S.; Kaur, Gurpreet	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842-6573
Design and development of a stacked complementary microstrip antenna with a - shaped DGS for UWB, UNII, WLAN, WiMAX, and Radio Astronomy wireless applications	Kaur, Amanpreet; Khanna, Rajesh	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759-0795
A FPGA based Steganographic System Implementing a Modern Steganalysis Resistant LSB Algorithm	Pathak, Kunjan; Bansal, Manu	ECED	DEFENCE SCIENCE JOURNAL	2017	0011-748X
Dynamic Node Deployment and Cross Layer Opportunistic Robust Routing for PoI Coverage Using WSNs	Karyakarte, Mandar Subhash; Tavildar, Anil Srinivas; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
Optimum quantum receiver for detecting weak signals in PAM communication systems	Sharma, Navneet; Rawat, Tarun Kumar; Parthasarathy, Harish; Gautam, Kumar	ECED	QUANTUM INFORMATION PROCESSING	2017	1570-0755
A Novel Cooperative Communication System Based on Multilevel Convolutional Codes	Aneja, Sakshi; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Performance Analysis of Combined Space Time Block Coding with Generalized Selection Combining in Underlay Cognitive Radio	Bindra, Kavita Vij; Sharma, Surbhi; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
A Novel Energy Efficient Stable Clustering Approach for Wireless Sensor Networks	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
Multilayer with periodic grating based high performance SPR waveguide sensor	Teotia, Pradeep Kumar; Kaler, R. S.	ECED	OPTICS COMMUNICATIONS	2017	0030-4018
Performance Analysis of Scheduled TAS Cognitive Radio System with Generalized Selection Combining	Bindra, Kavita Vij; Sharma, Surbhi; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
Wear Behaviour of NiTi SMA Fabricated by P/M: A Taguchi Approach	Sharma, Neeraj; Khanna, Rajesh; Kumar, Vinod; Singh, Gurpreet	ECED	NANO HYBRIDS AND COMPOSITES	2017	2297-3400
A Joint SMSE Waveform Design and Blind Cyclostationary Based Sensing for Cognitive Radios	Singh, Supreet; Sharma, Surbhi	ECED	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING	2017	2228-6179
Thermally-aware circuit modeling and performance analysis of single-walled carbon nanotube bundle as VLSI interconnects	Agrawal, S.; Rai, M. Kumar; Khanna, R.; Sarkar, S.	ECED	SCIENTIA IRANICA	2017	1026-3098
Photonic Crystal Waveguide Biochemical Sensor for the Approximation of Chemical Components Concentrations	Painam, Balveer; Kaler, R. S.; Kumar, Mukesh	ECED	PLASMONICS	2017	1557-1955
EMD-based steganography techniques for JPEG2000 encoded images	Kasana, Geeta; Singh, Kulbir; Bhatia, Satvinder Singh	ECED	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING	2017	1793-690X
Regional mutual information-based identification and reduction of flicker artifacts during video encoding	Kumar, Vinay	ECED	SIGNAL IMAGE AND VIDEO PROCESSING	2017	1863-1711
A DUAL BAND STACKED APERTURE COUPLED ANTENNA ARRAY FOR WLAN APPLICATIONS	Agarwal, Ayushi; Kaur, Amanpreet	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2017	1098-2760
A Novel Cooperative Diversity Technique Based on Multilevel Pseudo Space-Time Trellis Coding	Sharma, Sakshi Aneja; Sharma, Sanjay	ECED	WIRELESS PERSONAL COMMUNICATIONS	2017	0929-6212
Photonic processing of all-optical Johnson counter using semiconductor optical amplifiers	Singh, Simranjit; Kaur, Simarpreet; Kaur, Ramandeep; Kaler, Rajinder Singh	ECED	IET OPTOELECTRONICS	2017	1751-8768
Wavelet Based Machine Learning Technique to Classify the Different Shoulder Movement of Upper Limb Amputee	Kaur, Amanpreet; Kumar, Amod; Agarwal, Ravinder	ECED	JOURNAL OF BIOMIMETICS BIOMATERIALS AND BIOMEDICAL ENGINEERING	2017	2296-9845
Generalized referenceless image quality assessment framework using texture energy measures and pattern strength features	Bagade, Jayashri; Singh, Kulbir; Dandawate, Yogesh	ECED	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2017	1300-0632

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Harmony Search Algorithm Based Threshold-sensitive Energy-Efficient Clustering Protocols for WSNs	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	ECED	AD HOC & SENSOR WIRELESS NETWORKS	2017	1551-9899
Influence of Inter-Shell Distance on Propagation Delay and Power of Mwcnt Bundle at Local Interconnect	Akshi; Sandha, Karamjit Singh	ECED	JOURNAL OF ACTIVE AND PASSIVE ELECTRONIC DEVICES	2017	1555-0281
Design and performance evaluation of hybrid optical sensor	Kaur, Gurpreet; Kaler, R. S.	ECED	OPTIK	2017	0030-4026
Image compression algorithm with reduced blocking artifacts	Mittal, Kritika; Singh, Kulbir; Jindal, Neeru	ECED	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2017	1300-0632
Studies of Surface Electrical Properties of Al doped ZnO Nanorods by STM	Singh, Shaivalini; Vyas, Sumit; Chakrabarti, Parthasarathi; Park, Si-Hyun	ECED	MATERIALS SCIENCE-MEDZIAGOTYRA	2017	1392-1320
Performance analysis of optical network topologies in the presence of hybrid optical amplifier	Dewra, Sanjeev; Kaler, Rajinder Singh	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842-6573
A Digital-Based Low-Power Fully Differential Comparator	Singh, Anil; Goel, Ayushi; Agarwal, Alpna	ECED	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2017	0218-1266
Synthesis of linear antenna array using flower pollination algorithm	Singh, Urvinder; Salgotra, Rohit	ECED	NEURAL COMPUTING & APPLICATIONS	2018	0941-0643
High-Rate STBC Communication System Using Imperfect CSI Under Time-Selective Flat-Fading Environment	Kohli, Amit Kumar; Garg, Sonali	ECED	WIRELESS PERSONAL COMMUNICATIONS	2018	0929-6212
Performance analysis of SFBC-OFDM system with channel estimation error over generalized fading channels	Singh, Daljeet; Joshi, Hem Dutt	ECED	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2018	2161-3915
A boolean spider monkey optimization based energy efficient clustering approach for WSNs	Mittal, Nitin; Singh, Urvinder; Salgotra, Rohit; Sohi, Balwinder Singh	ECED	WIRELESS NETWORKS	2018	1022-0038
A Novel Design and FPGA Implementation of Filters Adapted Using LMS Variants	Sakshi; Kumar, Ravi	ECED	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2018	0218-1266
Enhanced sensitivity with thickness optimization of ZnO based acetone sensor	Deshwal, Manish; Arora, Anil	ECED	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	2018	0019-5596
Class-AB level shifted flipped voltage follower cell using bulk-driven technique	Jindal, Caffey; Pandey, Rishikesh	ECED	IET CIRCUITS DEVICES & SYSTEMS	2018	1751-8598
Prediction of drug synergy in cancer using ensemble-based machine learning techniques	Singh, Harpreet; Rana, Prashant Singh; Singh, Urvinder	ECED	MODERN PHYSICS LETTERS B	2018	0217-9849
Image-adaptive watermarking using maximum likelihood decoder for medical images	Bhinder, Preeti; Singh, Kulbir; Jindal, Neeru	ECED	MULTIMEDIA TOOLS AND APPLICATIONS	2018	1573-7721
On-Chip Oval-Shaped Nanocavity Photonic Crystal Waveguide Biosensor for Detection of Foodborne Pathogens	Painam, Balveer; Kaler, R. S.; Kumar, Mukesh	ECED	PLASMONICS	2018	1557-1955

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Bandwidth allocation and distributed relay selection for multiple-user and multiple-relay cooperative systems using Stackelberg game	Rahi, Priyanka; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2018	1099-1131
New cuckoo search algorithms with enhanced exploration and exploitation properties	Salgotra, Rohit; Singh, Urvinder; Saha, Sriparna	ECED	EXPERT SYSTEMS WITH APPLICATIONS	2018	0957-4174
Clustering-based resource discovery on Internet-of-Things	Bharti, M.; Kumar, R.; Saxena, S.	ECED	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2018	1099-1131
Low-Voltage Highly Linear Floating Gate MOSFET Based Source Degenerated OTA and its Applications	Dubey, Tanmay; Pandey, Rishikesh	ECED	INFORMACIJE MIDEM-JOURNAL OF MICROELECTRONICS ELECTRONIC COMPONENTS AND MATERIALS	2018	2232-6979
Performance Analysis of Different Mixed-MWCNT Structures as VLSI Interconnects for Nano-Electronics IC Design	Sandha, Karmjit Singh; Sharma, Shairy	ECED	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2018	1555-130X
Placement of optical phase conjugation in WDM systems to suppress FWM	Kaur, Jaspreet; Singh, Hardeep	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	1098-2760
An improved method for deceptive jamming against synthetic aperture radar	Joshi, Hem Dutt; Kaur, Ravneet; Singh, Ashutosh Kumar; Mishra, Amit	ECED	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2018	1759-0795
Comparative Analysis of On-Chip Optical and Copper VLSI Interconnects for Deep Sub-Micron Technology Nodes	Sandha, Karmjit Singh; Kumar, Mahesh	ECED	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2018	1555-130X
A short review on: Optimization techniques of ZnO based thin film transistors	Vyas, Sumit	ECED	CHINESE JOURNAL OF PHYSICS	2018	0577-9073
Temperature-dependent modeling and performance analysis of coupled MLG NR interconnects	Rai, Mayank Kumar; Arora, Shubham; Kaushik, B. K.	ECED	INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	2018	1097-007X
Block-based image fusion using multi-scale analysis to enhance depth of field and dynamic range	Chaudhary, Vishal; Kumar, Vinay	ECED	SIGNAL IMAGE AND VIDEO PROCESSING	2018	1863-1711
Zadoff-Chu Sequence Based Timing Offset Estimation for OFDM Systems	Kaushal, Yashpreet; Joshi, Hem Dutt; Singh, Ashutosh Kumar; Mishra, Amit; Gupta, Bhaskar	ECED	WIRELESS PERSONAL COMMUNICATIONS	2018	0929-6212
Network Selection in Wireless Heterogeneous Environment by C-P-F Hybrid Algorithm	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	ECED	WIRELESS PERSONAL COMMUNICATIONS	2018	0929-6212
A coalitional game-based integrated framework for optimal power allocation in multirelay cooperative environment	Lamba, Amanjot Kaur; Kumar, Ravi; Sharma, Sanjay	ECED	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2018	1099-1131
Generalized MGF based analysis of line-of-sight plus scatter fading model and its applications to MIMO-OFDM systems	Singh, Daljeet; Joshi, Hem Dutt	ECED	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2018	1434-8411

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Formulation of some useful theorems for S-transform	Ranjan, Rajeev; Singh, A. K.; Jindal, Neeru	ECED	OPTIK	2018	0030-4026
Channel estimation and long-range prediction of fast fading channels for adaptive OFDM system	Kapoor, Divneet Singh; Kohli, Amit Kumar	ECED	INTERNATIONAL JOURNAL OF ELECTRONICS	2018	1362-3060
Digital image copy-move forgery detection based on discrete fractional wavelet transform	Lamba, Amanjot Kaur; Jindal, Neeru; Sharma, Sanjay	ECED	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2018	1300-0632
Estimation and mitigation of four wave mixing in wavelength division multiplexing radio over fiber system using hybrid modules	Kaur, Gurpreet; Kaler, Rajinder Singh; Rana, Ashima	ECED	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2018	1842-6573
Volumetric 3D reconstruction of real objects using voxel mapping approach in a multiple-camera environment	Jadhav, Tushar; Singh, Kulbir; Abhyankar, Aditya	ECED	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2018	1300-0632
Experiment on a highly sensitive fiber Bragg grating optical sensor to monitor strain and corrosion in civil structures	Kaur, Gurpreet; Kaler, R. S.; Kwatra, Naveen	ECED	JOURNAL OF OPTICAL TECHNOLOGY	2018	1070-9762
Performance Analysis of Optimum Combiner in Power Limited Cognitive Radios with Multiple Primary Interferers	Bindra, Kavita Vij; Khanna, Rajesh; Sharma, Surbhi	ECED	ELEKTRONIKA IR ELEKTROTEHNIKA	2018	1392-1215
Adaptive threshold method for peak detection of surface electromyography signal from around shoulder muscles	Kaur, Amanpreet; Agarwal, Ravinder; Kumar, Amod	ECED	JOURNAL OF APPLIED STATISTICS	2018	1360-0532
Forensics for partially double compressed doctored JPEG images	Singh, Gurinder; Singh, Kulbir	ECED	MULTIMEDIA TOOLS AND APPLICATIONS	2018	1573-7721
Nanohybrid optical sensor for simultaneous measurements of strain, temperature, and vibration for civil application	Kaur, Gurpreet; Kaler, Rajinder Singh	ECED	MICRO & NANO LETTERS	2018	1750-0443
phi FrMF: Fractional Fourier Matched Filter	Kumar, Sanjay; Saxena, Rajiv	ECED	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2018	1531-5878
Optimization of modified T-shape microstrip patch antenna using differential algorithm for X and ku band applications	Nitika; Khanna, Rajesh; Kaur, Jaswinder	ECED	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	1098-2760
1-D grating based SPR biosensor for the detection of lung cancer biomarkers using Vroman effect	Teotia, Pradeep Kumar; Kaler, R. S.	ECED	OPTICS COMMUNICATIONS	2018	0030-4018
EIED					
25 Machine learning techniques for medical diagnosis of diabetes using iris images	Piyush Samant and Ravinder Agarwal	EIED	Computer Methods and Programs in Biomedicine	2018	ISSN: 0169-2607
A generalized method for the segmentation of exudates from pathological retinal fundus images	Jaskirat Kaur, Deepti Mittal	EIED	Biocybernetics and Biomedical Engineering	2018	0208-5216

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A hybrid intelligent technique for model order reduction in the delta domain: a unified approach	Souvik Ganguli, Gagandeep Kaur, Prasanta Sarkar	EIED	Soft Computing	2018	ISSN: 1432-7643 (Print) 1433-7479 (Online)
A low cost wireless patient monitoring	Deepak Jain and MandeepSingh	EIED	Indian Journal of Public Health Research & Development	2018	0976-0246
A Novel Approach for Determination of Power Quality Monitoring Index of an AC Microgrid Using Fuzzy Inference System	Jitender Kaushal, Prasenjit Basak	EIED	Iranian Journal of Science and Technology, Transactions of Electrical Engineering	2018	2228-6179 (Print) 2364-1827 (Online)
A Novel Approach to ECG R-Peak Detection	Ravinder Agarwal	EIED	Arabian Journal for Science and Engineering	2018	1319-8025
A novel hybrid metaheuristic algorithm for model order reduction in the delta domain: a unified approach	Souvik Ganguli, Gagandeep Kaur, Prasanta Sarkar	EIED	Neural Computing and Applications	2018	ISSN: 0941-0643 (Print) 1433-3058 (Online)
A novel search technique to solve load flow of distribution networks	Suman Bhullar, Smarajit Ghosh	EIED	Journal of Engineering Research	2018	2307-1877 (Print) 2307-1885 (Online)
A novel TVAC-PSO based mutation strategies algorithm for generation scheduling of pumped storage hydrothermal system incorporating solar units	Rituraj SinghPatwal, Nitin Narang and Harish Garg	EIED	Energy	2018	0360-5442
A Systemic Review of Meditation and Psychophysiology.	Amanpreet Kaur, Mandeep Singh	EIED	Indian Journal of Public Health Research & Development	2018	0976-0245
Active Noise Control Using Modified FsLMS and Hybrid PSOFF Algorithm	Ranjan Walia and Smarajit Ghosh	EIED	Applied Sciences	2018	ISSN: 0169-2607
Automated classification of non-motor mental task in electroencephalogram based brain-computer interface using multivariate autoregressive model in the intrinsic mode function domain	Suman Dutta, Mandeep Singh, Amod Kumar	EIED	Biomedical Signal Processing and Control	2018	ISSN: 1746-8094
Automated in-vivo Identification of Fungal Infection on Human Scalp using Optical Coherence Tomography and Machine Learning	Kavita Dubey, Vishal Srivastava, Dalip Singh Mehta	EIED	Laser Physics	2018	10.1088/1555-6611/aa9d9d
Classification of non-motor cognitive task in EEG based brain-computer interface using phase space features in multivariate empirical mode decomposition domain	Suman Dutta, Mandeep Singh, Amod Kumar	EIED	Biomedical Signal Processing and Control	2018	ISSN: 1746-8094
Coordinated Power Control of Electric Vehicles for Grid Frequency Support: MILP-based Hierarchical Control Design	Kuljeet Kaur, Neeraj Kumar, and Mukesh Singh	EIED	IEEE Transactions on Smart Grid	2018	Print ISSN: 1949-3053 Electronic ISSN: 1949-3061
Crisscross PSO algorithm for multi-objective generation scheduling of pumped storage hydrothermal system incorporating solar units	Rituraj Singh Patwal, Nitin Narang	EIED	Energy Conversion and Management	2018	0196-8904

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Data Prediction of Optical Head Tracking using Self Healing Neural Model for Head Mounted Display	A Kataria, S Ghosh, V Karar	EIED	NISCAIR-CSIR, India	2018	ISSN 0975-1084 (Online); 0022-4456 (Print)
Development of automatic packaging system using PLC and SCADA for industries	Tarun Gupta, Sangeeta Kamboj	EIED	International Journal of Mechanical Engineering and Technology (IJMET)	2018	0976 – 6359
Development of full-field optical spatial coherence tomography system for automated identification of malaria using the multilevel ensemble classifier	Neeru Singla, Vishal Srivastava, Dalip Singh Mehta	EIED	Journal of Biophotonics	2018	1864-0648
Economic and environmental evaluation of municipal solid waste management system using industrial ecology approach: Evidence from India	Arashdeep Singh, Prasenjit Basak	EIED	Journal of Cleaner Production	2018	0959-6526
Effect of Annealing on Tungsten Oxide Thin Films for Acetone Gas Detection	Smiti Sachdeva, Ajay Agarwal and Ravinder Agarwal	EIED	Bulletin of Materials Science	2018	0250-4707 (print); 0973-7669 (online)
Electromyographic Signal Driven Continuous Locomotion Mode Identification Module Design for Lower Limb Prosthesis Control	Rohit Gupta and Ravinder Agarwal	EIED	Arabian Journal for Science and Engineering	2018	2193-567X (Print) 2191- 4281 (Online)
Energy management and voltage stabilization in an islanded microgrid through an electric vehicle charging station	Shakti Singh, Mukesh Singh, and Shubhangi Jagota	EIED	Sustainable cities and societies	2018	2210-6707
Enhanced order reduction method for linear system using sub structure reservation with dominant pole retention	Sharad Kumar Tiwari and Gagandeep Kaur	EIED	International Journal of Pure and Applied Mathematics	2018	3314-3395
Epidemiological study on Respiratory Health of School Children of Rural sites of Malwa Region (India) during Post - Harvest Stubble Burning Events	Gurpreet S. Saggu, Susheel K. Mittal, Ravinder Agarwal and Gurfan Beig	EIED	Journal of Metrology Society of India (MAPAN)	2018	0970-3950 (Print) 0974-9853 (Online)
Estimation of severity level of non-proliferative diabetic retinopathy for clinical aid	Jaskirat Kaur, Deepti Mittal	EIED	Biocybernetics and Biomedical Engineering	2018	0208-5216
Frequency Regulation of Interconnected Power System in Perspective of Smart Grid Environment	Rushil Sagotra, Manoj Badoni, Vijay P. Singh, Navdeep Singh	EIED	International Journal of Electronics, Electrical and computational System	2018	2221-7258 (Print), 2221-7266 (Online)
Grid interfaced solar photovoltaic system using ZA-LMS based control algorithm	M Badoni, A Singh, VP Singh, RN Tripathi	EIED	Electric Power Systems Research	2018	ISSN: 0378-7796
In vivo automated quantification of quality of apples during storage by optical coherence tomography images	Vishal Srivastava, Devjyoti Dalal, Anuj Kumar, Surya Prakash, Krishna Dalal	EIED	Laser Physics	2018	10.1088/1555-6611/aab485

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In Vivo Automated Quantification of Thermally Damaged Human Tissue Using Polarization Sensitive Optical Coherence Tomography	Kavita Dubey, Vishal Srivastava, and Krishna Dalal	EIED	Computerized Medical Imaging and Graphics	2018	0895-6111
In vivo classification of human burn skin using machine learning and quantitative features captured by optical coherence tomography	Neeru Singla, Vishal Srivastava, and Dalip Singh Mehta	EIED	Laser Physics Letter	2018	10.1088/1612-202X/aa9969
Influence of Stress on Propagation of Shear Wave in Piezoelectric-Piezoelectric (PE-PE) Composite Layered Structure	Anshu Mli Gaur	EIED	Latin American Journal of Solids and Structures	2018	1679-7825 (Print) 1679-7825 (Online)
Machine learning techniques for medical diagnosis of diabetes using iris images	P Samant, R Agarwal	EIED	Computer Methods and Programs in Biomedicine	2018	ISSN: 0169-2607
MODELLING OF SMART CAR PARKING SYSTEM USING PLC	Gursagar Singh, Sangeeta Kamboj	EIED	International Journal of Mechanical Engineering and Technology (IJMET)	2018	0976 – 6359
Multi-objective thermal power load dispatch using chaotic differential evolutionary algorithm and Powell's method	Nirbhow Jap Singh, J. S. Dhillon, and D. P. Kothari	EIED	Soft Computing	2018	ISSN: 1432-7643 (Print) 1433-7479 (Online)
Multi-scenario dataset for speaker recognition	S. Srivastava, Gopal, Saurabh Bhardwaj	EIED	Intelligent & Fuzzy Systems	2018	1064-1246 (print) 1875-8967 (online)
Multimodal medical image fusion using non-sub sampled shearlet transform and pulse coupled neural network incorporated with morphological gradient	Sharma Dileep Kumar Ramlal, Jainy Sachdeva, Chirag Kamal Ahuja, Niranjan Khandelwal	EIED	Journal of Signal Image and Video Processing	2018	1863-1711
Multiobjective Thermal Power Load Dispatch using Adaptive predator-prey Optimization	NJ Singh, JS Dhillon, DP Kothari	EIED	Applied Soft Computing	2018	1568-4946
Non-interactive approach to solve multi-objective thermal power dispatch problem using composite search algorithm	NJ Singh, JS Dhillon, DP Kothari	EIED	Applied Soft Computing	2018	1568-4946
Optimal determination of wavelet for football player EEG using SVM classifier	A Aggarwal, R Agarwal	EIED	Biomedical Research	2018	ISSN: 0970-938X (Print) 0976-1683 (Electronic)
Optimal Integration of Multi Distributed Generation Sources in Radial Distribution Networks Using a Hybrid Algorithm	Suman Bhullar, Smarajit Ghosh	EIED	Energies	2018	1996-1073
Performance Evaluation of FACTS Controllers for Short Transmission Line	Sahil Mehta, Surya Prakash	EIED	International Journal of Applied Engineering Research	2018	0973-4562(Print); 0973-9769 (Online)
Performance evaluation of two ANFIS models for predicting water quality index of river satluj (india)	Sharad Kumar Tiwari, Richa Babbar and Gagandeep Kaur	EIED	Advances in Civil Engineering	2018	1687-8086 (Print):1687-8094 (Online)
Power Quality Improvement Using DSTATCOM with Affine Projection Algorithm	Manoj Badoni, Alka Singh and Bhim Singh	EIED	IET Generation, Transmission and Distribution	2018	1751-8695

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Preliminary study of chronic liver classification on ultrasound images using an ensemble model	Puja Bharti, Deepti Mittal, Rupa Ananthasivan	EIED	Ultrasonic Imaging	2018	0161-7346 (print), 1096-0910 (online)
Profit based unit commitment using hybrid optimization technique	Himanshu Anand, Nitin Narang and J.S. Dhillon	EIED	Energy	2018	0360-5442
Simulation based Analysis and Mitigation of Voltage Flicker	Akanksha Bhagat, Parag Nijhawan	EIED	International Journal of Scientific and Technical Advancements	2018	2454-1532
Software Implementation of Automatic bottle filling using PLC for Industries	Kanishank Sharma, Sangeeta Kamboj	EIED	Universal Review	2018	2277-2723
Study of Long Term Drift of Aluminum Oxide Thin Film Capacitive Moisture Sensor	Shailesh Kumar, T. Islam and K. K. Raina	EIED	EEE Transactions on Device and Materials Reliability	2018	1530-4388
Symmetric Fuzzy Logic and IBFOA Solutions for Optimal Position and Rating of Capacitors Allocated to Radial Distribution Networks	C Kishore, S Ghosh, V Karar	EIED	Energies	2018	1996-1073
Symmetrical sequence components estimation in Phasor Measurement Unit using TWLS technique	Sangeeta Kamboj	EIED	International Journal for Research in engineering application and management	2018	2454-9150
Unit commitment considering dual-mode combined heat and power generating units using integrated optimization technique	Himanshu Anand, Nitin Narang and J.S. Dhillon	EIED	Energy Conversion and Management	2018	0196-8904
A Novel Design for Solar PV-Wind Hybrid System to Improve Renewable Energy Harnessing - a theoretical study on Indian Subcontinent	Parag Nijhawan, Amandeep Singh Oberoi, Baljit Singh	EIED	International Journal of Engineering & Technology	2018	ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024
CHEMICAL					
Sequential batch reactor for dairy wastewater treatment: Parametric optimization; Kinetics and waste sludge disposal	Kushwaha J.P., Srivastava V.C., Mall I.D.	Department of Chemical Engineering	Journal of Environmental Chemical Engineering	2013	22133437
Optimization studies for hybrid and storage designs for parabolic solar trough systems with the system advisor model	Jain A., Chalapathi Rao P.N.B.V., Choudhury P., Mehta R., Mittal S.K.	Department of Chemical Engineering	Environmental Progress and Sustainable Energy	2013	19447450
Equilibrium and kinetic studies of the reactive extraction of nicotinic acid with tri-n-octylamine dissolved in MIBK	Datta D., Kumar S.	Department of Chemical Engineering	Industrial and Engineering Chemistry Research	2013	0888-5885
Optimizing the cost and performance of parabolic trough solar plants with thermal energy storage in India	Jain A., Vu T., Mehta R., Mittal S.K.	Department of Chemical Engineering	Environmental Progress and Sustainable Energy	2013	19447450
Parametric and multiple response optimization for the electrochemical treatment of textile printing dye-bath effluent	Mondal B., Srivastava V.C., Kushwaha J.P., Bhatnagar R., Singh S., Mall I.D.	Department of Chemical Engineering	Separation and Purification Technology	2013	13835866

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Optimization of a divided wall column for the separation of C4-C6 normal paraffin mixture using Box-Behnken design [Optimizacija kolone sa vertikalnom pregradom za razdvajanje smeše normalnih parafina C4-C6 pomoću Box-Behnkenovog plana]	Sangal V.K., Kumar V., Mishra I.M.	Department of Chemical Engineering	Chemical Industry and Chemical Engineering Quarterly	2013	1451-9372
Polyethylene glycol and montmorillonite clay anchored Schiff base ligand-metal complexes	Narang S., Mehta R., Upadhyay S.N.	Department of Chemical Engineering	Industrial and Engineering Chemistry Research	2013	0888-5885
Electrocoagulation of Soluble Oil Wastewater: Parametric and Kinetic Study	Sangal V.K., Mishra I.M., Kushwaha J.P.	Department of Chemical Engineering	Separation Science and Technology (Philadelphia)	2013	0149-6395
TiO ₂ -assisted photocatalytic degradation of diazo dye reactive red 120: Decolorization kinetics and mineralization investigations	Sharma S.K., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Advanced Oxidation Technologies	2013	2371-1175
Electrochemical treatment of Reactive Black 5 textile wastewater: Optimization, kinetics, and disposal study	Bansal S., Kushwaha J.P., Sangal V.K.	Department of Chemical Engineering	Water Environment Research	2013	15547531
Importance of pressure drop in divided wall distillation column	Sangal V.K., Bichalu L., Kumar V., Mishra I.M.	Department of Chemical Engineering	Asia-Pacific Journal of Chemical Engineering	2013	1932-2143
Surface engineering characteristics of ultrasound assisted hypophosphite electroless plating baths	Bulasara V.K., Uppaluri R., Purkait M.K.	Department of Chemical Engineering	Surface Engineering	2013	2670844
Titanium dioxide mediated photocatalytic degradation of malathion in aqueous phase	Verma A., Sheoran M., Toor A.P.	Department of Chemical Engineering	Indian Journal of Chemical Technology	2013	9750991
Investigation of extraction of phenol from wastewater using N,N-didodecyl-1-dodecanamine (tridodecylamine) in benzene	Datta D., Uslu H.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2014	0021-9568
Extraction equilibria of gibberellic acid by tridodecylamine dissolved in alcohols	Uslu H., Datta D., Bamufleh H.S.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2014	0021-9568
Kinetics of Thiophene Hydrodesulphurization: Pore Diffusional Effects	Ganguly S.K., Vohra N., Varun N., Das G., Bhunia H.	Department of Chemical Engineering	Energy Technology	2014	21944296
Improvement in regeneration properties and multicycle stability for K ₂ CO ₃ /Al ₂ O ₃ adsorbents for CO ₂ removal from flue gas	Sengupta S., Reddy S.A., Dongara R., Das A.K., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Energy and Fuels	2014	0887-0624
Reactive extraction of oxoethanoic acid (glyoxylic acid) using Amberlite-LA2 in different diluents	Uslu H., Datta D., Kumar S.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2014	0021-9568
Reactive extraction of pyridine-2-carboxylic acid (picolinic acid) using nontoxic extractant and diluent systems	Datta D., Kumar S.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2014	0021-9568

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Ring opening polymerization of lactide in a monomode microwave using stannous octoate and dibutyltin dimethoxide catalysts	Singla P., Mehta R., Berek D., Upadhyay S.N.	Department of Chemical Engineering	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	2014	1520-5738
Simulation studies on variable cluster size in FCC riser reactor	Arya D., Gupta R.K.	Department of Chemical Engineering	Particulate Science and Technology	2014	2726351
Synthesis of xylene over cerium modified large pore zeolite: A kinetic study	Thakur R., Barman S., Gupta R.K.	Department of Chemical Engineering	Indian Journal of Chemical Technology	2014	9750991
Effect of dimensionality on vapor-liquid phase transition	Singh S.K.	Department of Chemical Engineering	AIP Conference Proceedings	2014	15517616
Blends of high density polyethylene and poly(l-lactic acid): Mechanical and thermal properties	Madhu G., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Polymer Engineering and Science	2014	15482634
Tannic acid adsorption/desorption study onto/from commercial activated carbon	Singh S., Kushwaha J.P.	Department of Chemical Engineering	Desalination and Water Treatment	2014	19443986
Mechanical and morphological properties of high density polyethylene and polylactide blends	Madhu G., Bhunia H., Bajpai P.K., Chaudhary V.	Department of Chemical Engineering	Journal of Polymer Engineering	2014	9738622
Microwave assisted in situ ring-opening polymerization of polylactide/clay nanocomposites: Effect of clay loading	Singla P., Mehta R., Upadhyay S.N.	Department of Chemical Engineering	Applied Clay Science	2014	1691317
Experimental investigation on heat transfer analysis of conical coil heat exchanger with 90° cone angle	Purandare P.S., Lele M.M., Gupta R.K.	Department of Chemical Engineering	Heat and Mass Transfer/Waerme- und Stoffuebertragung	2014	9477411
Silver ion beam irradiation effects on poly(lactide-co-glycolide) (PLGA)/clay nanocomposites	Kaur M., Singh S., Mehta R.	Department of Chemical Engineering	Applied Physics A: Materials Science and Processing	2014	9478396
The Effect of O ₆ ⁺ and Si ⁷⁺ ion beam irradiations on poly(lactide-co-glycolide) (50: 50) copolymer	Kaur M., Singh S., Mehta R.	Department of Chemical Engineering	Polymer Science - Series B	2014	1560-0904
PROCESS PARAMETRIC OPTIMIZATION OF A DIVIDED WALL DISTILLATION COLUMN	Sangal V.K., Kumar V., Mishra I.M.	Department of Chemical Engineering	Chemical Engineering Communications	2014	986445
Drying of Multilayer Polymeric Coatings, Part I: An Experimental Study	Singhal U.M., Dixit R., Arya R.K.	Department of Chemical Engineering	Drying Technology	2014	7373937
Synthesis and mechanical properties of polyurethane/clay nanocomposites	Puri P., Mehta R., Rattan S.	Department of Chemical Engineering	Journal of Optoelectronics and Advanced Materials	2014	14544164
Optimization and evaluation of CBSOL LE red wool dye adsorption from aqueous solution onto commercial activated carbon	Kaur P., Singh A.P., Prince A.K., Kushwaha J.P.	Department of Chemical Engineering	International Journal of Environmental Science and Technology	2015	17352630
Hydrogen generation from NaBH ₄ /Al ₂ O ₃ nanoparticles/H ₂ O with CoCl ₂ as catalyst	Kaur A., Gangacharyulu D., Bajpai P.K.	Department of Chemical Engineering	Proceedings of the 2015 10th IEEE Conference on Industrial Electronics and Applications, ICIEA 2015	2015	2158-2297

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Synthesis of Conductive Polyurethane/Graphite Composites for Electromagnetic Interference Shielding	Puri P., Mehta R., Rattan S.	Department of Chemical Engineering	Journal of Electronic Materials	2015	1573482X
Copolymerization of propylene oxide and carbon dioxide	Narang S., Mehta R., Upadhyay S.N.	Department of Chemical Engineering	Current Organic Chemistry	2015	13852728
Adsorptive Separation of Cu ²⁺ from an Aqueous Solution Using Trioctylamine Supported Montmorillonite	Datta D., Uslu H., Kumar S.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2015	0021-9568
Development of nitrogen enriched nanostructured carbon adsorbents for CO ₂ capture	Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Environmental Management	2015	3014797
Performance of diffusion distillation column for production of fuel grade ethanol	Singh N., Prasad R.	Department of Chemical Engineering	Journal of Chemical Technology and Biotechnology	2015	10974660
Discontinuity analysis for the treatment of nonlinear lumped-parameter systems for singular inputs	Ahuja S.	Department of Chemical Engineering	Theoretical Foundations of Chemical Engineering	2015	405795
Removal of Mercury(II) from Aqueous Solution: A Review of Recent Work	Sharma A., Sharma A., Arya R.K.	Department of Chemical Engineering	Separation Science and Technology (Philadelphia)	2015	0149-6395
Experimental and theoretical investigations on the reactive extraction of itaconic (2-methylidenebutanedioic) acid using trioctylamine (N, N-dioctyloctan-1-amine)	Uslu H., Datta D.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2015	0021-9568
Investigation of extraction of 4-oxopentanoic acid by N, N-dioctyloctan-1-amine in six different diluents: Equilibrium study	Kumar S., Uslu H., Datta D., Rarotra S., Rajput K.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2015	0021-9568
Intensification of citric acid extraction by a mixture of trioctylamine and tridodecylamine in different diluents	Datta D., Aşçi Y.S., Tuyun A.F.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2015	0021-9568
Intensification of picolinic acid extraction with tri-n-butylphosphate and tri-n-octylamine in three different diluents	Datta D., Uslu H., Kumar S.	Department of Chemical Engineering	Chemical Engineering Research and Design	2015	17443563
Simulation of a plant scale reactive distillation column for esterification of acetic acid	Singh D., Gupta R.K., Kumar V.	Department of Chemical Engineering	Computers and Chemical Engineering	2015	981354
Effects of the adsorbent preparation method for CO ₂ capture from flue gas using K ₂ CO ₃ /Al ₂ O ₃ adsorbents	Sengupta S., Amte V., Dongara R., Das A.K., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Energy and Fuels	2015	0887-0624
Synthesis of nitrogen doped mesoporous carbons for carbon dioxide capture	Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	RSC Advances	2015	2046206
A review on sugar industry wastewater: sources, treatment technologies, and reuse	Kushwaha J.P.	Department of Chemical Engineering	Desalination and Water Treatment	2015	19443986
Effect of ply orientation on strength and failure mode of pin jointed unidirectional glass-epoxy nanoclay laminates	Singh M., Bhunia H., Saini J.S.	Department of Chemical Engineering	Defence Science Journal	2015	11748

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Modeling and evaluation of electro-oxidation of dye wastewater using artificial neural networks	Kaur P., Sangal V.K., Kushwaha J.P.	Department of Chemical Engineering	RSC Advances	2015	2046206
Mesoporous carbon adsorbents from melamine-formaldehyde resin using nanocasting technique for CO ₂ adsorption	Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Environmental Sciences (China)	2015	1001-0742
Experimental investigation on adsorption of amido black 10b dye onto zeolite synthesized from fly ash	Garg A., Mainrai M., Bulasara V.K., Barman S.	Department of Chemical Engineering	Chemical Engineering Communications	2015	986445
Resorcinol-formaldehyde based nanostructured carbons for CO ₂ adsorption: Kinetics, isotherm and thermodynamic studies	Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	RSC Advances	2015	2046206
Adsorption characteristics of jackfruit leaf powder for the removal of Amido black 10B dye	Ojha A.K., Bulasara V.K.	Department of Chemical Engineering	Environmental Progress and Sustainable Energy	2015	19447450
Optimization of photocatalytic process parameters for the degradation of acrylonitrile using Box Behnken Design	Singh P., Dhir A., Sangal V.K.	Department of Chemical Engineering	Desalination and Water Treatment	2015	19443986
Preparation of low-cost microfiltration membranes from fly ash	Singh G., Bulasara V.K.	Department of Chemical Engineering	Desalination and Water Treatment	2015	19443986
Physico-mechanical characterization and biodegradability behavior of polypropylene/poly(L-lactide) polymer blends	Jain K., Madhu G., Bhunia H., Bajpai P.K., Nando G.B., Reddy M.S.	Department of Chemical Engineering	Journal of Polymer Engineering	2015	9738622
Synergistic effects of clay and GNPs on electrical and mechanical properties of PU/GNP/OMMT ternary composite	Puri P., Mehta R., Rattan S.	Department of Chemical Engineering	Journal of Optoelectronics and Advanced Materials	2015	14544164
Generalized Pinch Analysis Scheme Using MATLAB	Tewari K., Agrawal S., Kumar Arya R.	Department of Chemical Engineering	Chemical Engineering and Technology	2015	15214125
Modeling using response surface methodology and optimization using differential evolution of reactive extraction of glycolic acid	Datta D., Kumar S.	Department of Chemical Engineering	Chemical Engineering Communications	2015	986445
Design of Binary Polymeric Coatings for Minimizing the Residual Solvent, Part I: Experimentation	Bhargava C.K., Arya R.K.	Department of Chemical Engineering	Drying Technology	2015	7373937
Simulation analysis of drying of ternary polymeric solution coatings	Arya R.K., Bhargava C.K.	Department of Chemical Engineering	Progress in Organic Coatings	2015	3009440
Status of the reactive extraction as a method of separation	Datta D., Kumar S., Uslu H.	Department of Chemical Engineering	Journal of Chemistry	2015	20909071
Effect of carbonates composition on the permeation characteristics of low-cost ceramic membrane supports	Kaur H., Bulasara V.K., Gupta R.K.	Department of Chemical Engineering	Journal of Industrial and Engineering Chemistry	2016	1226-086X

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Heat Transfer and Pressure Drop Characteristics of Dilute Alumina–Water Nanofluids in a Pipe at Different Power Inputs	Saxena R., Gangacharyulu D., Bulasara V.K.	Department of Chemical Engineering	Heat Transfer Engineering	2016	14321181
Quaternary ammonium salt assisted removal of genistein and bisphenol S from aqueous solution by nanozeolite NaY: Equilibrium, kinetic and thermodynamic studies	Goyal N., Barman S., Bulasara V.K.	Department of Chemical Engineering	Journal of Molecular Liquids	2016	1677322
Carbon dioxide adsorption on nitrogen enriched carbon adsorbents: Experimental, kinetics, isothermal and thermodynamic studies	Goel C., Kaur H., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of CO2 Utilization	2016	22129820
Development and experimental study of an improved basin type vertical single distillation cell solar still	Kaushal A.K., Mittal M.K., Gangacharyulu D.	Department of Chemical Engineering	Desalination	2016	119164
Thermal degradation kinetics and lifetime of HDPE/PLLA/pro-oxidant blends	Madhu G., Mandal D.K., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Polymer Engineering	2016	9738622
A comparison of modifications induced by Li ³⁺ and Ag ⁸⁺ ion beams irradiation in poly(lactide-co-glycolide) films	Kaur M., Singh S., Mehta R.	Department of Chemical Engineering	Polymer Science - Series B	2016	1560-0904
Surface Modification of Synthesized Nanozeolite NaX with TEAOH for Removal of Bisphenol A	Goyal N., Bulasara V.K., Barman S.	Department of Chemical Engineering	Chemical Engineering Communications	2016	986445
Synthesis of cumene by transalkylation over modified beta zeolite: A kinetic study	Thakur R., Barman S., Kumar Gupta R.	Department of Chemical Engineering	Brazilian Journal of Chemical Engineering	2016	16784383
Adsorptive removal of Biochanin A, an endocrine disrupting compound, from its aqueous solution by synthesized zeolite NaA	Goyal N., Barman S., Bulasara V.K.	Department of Chemical Engineering	Desalination and Water Treatment	2016	19443986
A comparative study on catalytic performance of modified nanocrystalline and microcrystalline zeolite X for synthesis of cumene by transalkylation of 1,4-diisopropylbenzene with benzene	Thakur R., Barman S.	Department of Chemical Engineering	Kinetics and Catalysis	2016	231584
Carbon nanotube-reinforced glass fiber epoxy composite laminates exposed to hygrothermal conditioning	Garg M., Sharma S., Mehta R.	Department of Chemical Engineering	Journal of Materials Science	2016	1573885X
Separation and recovery of copper from aqueous solutions using tri-n-butyl phosphate in benzene	Datta A., Datta D., Chandra A.	Department of Chemical Engineering	Journal of Molecular Liquids	2016	1677322
Investigation of TiO ₂ -SiO ₂ -CaO-CaF ₂ based electrode coatings on weld metal chemistry and mechanical behaviour of bimetallic welds	Bhandari D., Chhibber R., Arora N., Mehta R.	Department of Chemical Engineering	Journal of Manufacturing Processes	2016	15266125

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Preparation of kaolin-based low-cost porous ceramic supports using different amounts of carbonates	Kaur H., Bulasara V.K., Gupta R.K.	Department of Chemical Engineering	Desalination and Water Treatment	2016	19443986
Radiation-induced grafting of acrylic acid onto polypropylene film and its biodegradability	Mandal D.K., Bhunia H., Bajpai P.K., Chaudhari C.V., Dubey K.A., Varshney L.	Department of Chemical Engineering	Radiation Physics and Chemistry	2016	0969806X
Non-Fickian drying of binary polymeric coatings: Depth profiling study using confocal Raman spectroscopy	Arya R.K., Tewari K., Shukla S.	Department of Chemical Engineering	Progress in Organic Coatings	2016	3009440
The effects of swift heavy ion irradiation on the structural properties of poly(lactide-co-glycolide)/clay nanocomposite	Kaur M., Singh S., Mehta R.	Department of Chemical Engineering	AIP Conference Proceedings	2016	15517616
Optimization of process parameters for transalkylation of toluene to xylene using response surface methodology	Thakur R., Gupta R.K., Barman S.	Department of Chemical Engineering	Particulate Science and Technology	2016	2726351
Copolymerization of propylene oxide and CO ₂ using achiral salophen Co(III) penta-florobenzoate as catalyst and tetrabutyl ammonium bromide as co-catalyst	Narang S., Mehta R., Berek D., Upadhyay S.N.	Department of Chemical Engineering	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	2016	1520-5738
Effect of electron density on the catalysts for copolymerization of propylene oxide and CO ₂	Narang S., Berek D., Upadhyay S.N., Mehta R.	Department of Chemical Engineering	Journal of Polymer Research	2016	9738622
Measurement of residence time distribution of liquid phase in an industrial-scale continuous pulp digester using radiotracer technique	Sheoran M., Goswami S., Pant H.J., Biswal J., Sharma V.K., Chandra A., Bhunia H., Bajpai P.K., Rao S.M., Dash A.	Department of Chemical Engineering	Applied Radiation and Isotopes	2016	9698043
Synthesis of poly(propylene carbonate) from highly active, inexpensive achiral (Salph)Co(III)X as initiator and bis(triphenyl phosphine) iminium as co-initiator	Narang S., Macova E., Berek D., Upadhyay S.N., Mehta R.	Department of Chemical Engineering	Journal of Applied Polymer Science	2016	10974628
Novel nitrogen enriched porous carbon adsorbents for CO ₂ capture: Breakthrough adsorption study	Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Environmental Chemical Engineering	2016	22133437
Physico-chemical modification induced in PLGA/OMMT nanocomposite films by Li ³⁺ ion beam	Kaur M., Singh S., Mehta R.	Department of Chemical Engineering	Vacuum	2016	0042207X
Urea-formaldehyde derived porous carbons for adsorption of CO ₂	Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	RSC Advances	2016	2046206
Novel nanostructured carbons derived from epoxy resin and their adsorption characteristics for CO ₂ capture	Tiwari D., Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	RSC Advances	2016	2046206
Decolorization and degradation of Reactive Black 5 dye by photocatalysis: modeling, optimization and kinetic study	Garg A., Sangal V.K., Bajpai P.K.	Department of Chemical Engineering	Desalination and Water Treatment	2016	19443986

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Effect of surface-screening parameter of the Yukawa potential model on vapour-liquid phase coexistence and critical-point properties of confined Yukawa fluid	Singh S.K.	Department of Chemical Engineering	Molecular Simulation	2016	23645083
Physico-mechanical properties and biodegradation of oxo-degradable HDPE/PLA blends	Madhu G., Bhunia H., Bajpai P.K., Nando G.B.	Department of Chemical Engineering	Polymer Science - Series A	2016	1555-6107
Pure and Binary Gas Adsorption Equilibrium for CO ₂ -N ₂ on Oxygen Enriched Nanostructured Carbon Adsorbents	Goel C., Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Energy and Fuels	2017	0887-0624
Thermo-oxidative degradation kinetics of grafted polypropylene films	Mandal D.K., Bhunia H., Bajpai P.K., Dubey K.A., Varshney L., Madhu G.	Department of Chemical Engineering	Radiation Effects and Defects in Solids	2017	3009440
Residual solvent study in polymer – polymer — solvent coatings: Poly(styrene) — poly(methyl methacrylate) — tetrahydrofuran coatings	Sharma J., Arya R.K., Ahuja S., Bhargava C.K.	Department of Chemical Engineering	Progress in Organic Coatings	2017	3009440
Radiotracer investigation on the measurement of residence time distribution in an ethyl acetate reactor system with a large recycle ratio	Datta A., Kumar Gupta R., Goswami S., Kumar Sharma V., Bhunia H., Singh D., Jagat Pant H.	Department of Chemical Engineering	Applied Radiation and Isotopes	2017	9698043
Radiotracer investigation and modeling of an activated sludge system in a pulp and paper industry	Sarkar M., Sangal V.K., Sharma V.K., Samantray J., Bhunia H., Bajpai P.K., Kumar A., Naithani A.K., Pant H.J.	Department of Chemical Engineering	Applied Radiation and Isotopes	2017	1694332
Synthesis of nitrogen enriched porous carbons from urea formaldehyde resin and their carbon dioxide adsorption capacity	Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of CO ₂ Utilization	2017	22129820
Diffusion in polymeric systems—A review on free volume theory	Sharma J., Tewari K., Arya R.K.	Department of Chemical Engineering	Progress in Organic Coatings	2017	3009440
An experimental study on stability and some thermophysical properties of multiwalled carbon nanotubes with water–ethylene glycol mixtures	Sandhu H., Gangacharyulu D.	Department of Chemical Engineering	Particulate Science and Technology	2017	2726351
Comparison of the Performances of Different Reduced Forms of a Condenser Model	Ahuja S., Arya R.K.	Department of Chemical Engineering	Chemical Engineering and Technology	2017	15214125
Epoxy based oxygen enriched porous carbons for CO ₂ capture	Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Applied Surface Science	2017	1694332
Corresponding states vapour–liquid phase equilibria of confined square–well fluid	Singh S.K.	Department of Chemical Engineering	Molecular Simulation	2017	23645083
An experimental study on thermophysical properties of multiwalled carbon nanotubes	Thakur M., Gangacharyulu D., Singh G.	Department of Chemical Engineering	International Journal of Engineering, Transactions B: Applications	2017	17359244

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Effect of temperature and multiwalled carbon nanotubes concentration on thermophysical properties of water base nanofluid	Thakur M., Gangacharyulu D., Singh G.	Department of Chemical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2017	2249-8001
Design of slurry transportation pipeline for the flow of multi-particulate coal ash suspension	Singh M.K., Kumar S., Ratha D., Kaur H.	Department of Chemical Engineering	International Journal of Hydrogen Energy	2017	0360-3199
Melamine-formaldehyde derived porous carbons for adsorption of CO ₂ capture	Tiwari D., Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Environmental Management	2017	3014797
Thermal degradation kinetics and estimation of lifetime of radiation grafted polypropylene films	Mandal D.K., Bhunia H., Bajpai P.K., Bhalla V.K.	Department of Chemical Engineering	Radiation Physics and Chemistry	2017	0969806X
Thermal degradation kinetics and lifetime of high-density polyethylene/poly (l-lactic acid) blends	Madhu G., Mandal D.K., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Thermoplastic Composite Materials	2017	15307980
Crosslinked polymeric coatings: Preparation, characterization, and diffusion studies	Pathania A., Arya R.K., Ahuja S.	Department of Chemical Engineering	Progress in Organic Coatings	2017	3009440
Photocatalytic Treatment of Binary Mixture of Dyes using UV/TiO ₂ Process: Calibration, Modeling, Optimization and Mineralization Study	Garg A., Sangal V.K., Bajpai P.K.	Department of Chemical Engineering	International Journal of Chemical Reactor Engineering	2017	15426580
Curing studies and mechanical properties of glass fiber reinforced composites based on silanized clay minerals	Sharma B., Chhibber R., Mehta R.	Department of Chemical Engineering	Applied Clay Science	2017	1691317
Optimization of acrylic acid grafting onto polypropylene using response surface methodology and its biodegradability	Mandal D.K., Bhunia H., Bajpai P.K., Kushwaha J.P., Chaudhari C.V., Dubey K.A., Varshney L.	Department of Chemical Engineering	Radiation Physics and Chemistry	2017	0969806X
Kinetic Investigation in Transalkylation of 1,2,4 Trimethylbenzene with Toluene over Rare Earth Metal-Modified Large Pore Zeolite	Thakur R., Barman S., Gupta R.K.	Department of Chemical Engineering	Chemical Engineering Communications	2017	986445
Augmented Thermal Performance of Straight Heat Pipe Employing Annular Screen Mesh Wick and Surfactant Free Stable Aqueous Nanofluids	Bhullar B.S., Gangacharyulu D., Das S.K.	Department of Chemical Engineering	Heat Transfer Engineering	2017	14321181
Prediction of binary gas adsorption of CO ₂ /N ₂ and thermodynamic studies on nitrogen enriched nanostructured carbon adsorbents	Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Chemical and Engineering Data	2017	0021-9568
A comparative study of catalytic performance of rare earth metal-modified beta zeolites for synthesis of cymene	Thakur R., Gupta R.K., Barman S.	Department of Chemical Engineering	Chemical Papers	2017	13369075

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Demulsification of cutting oil emulsion by electro-oxidation process: Batch and continuous mode	Kaur R., Sangal V.K., Kaur P., Verma A.	Department of Chemical Engineering	Journal of the Electrochemical Society	2017	19457111
Reducing energy requirements for ETBE synthesis using reactive dividing wall distillation column	Kaur J., Sangal V.K.	Department of Chemical Engineering	Energy	2017	3605442
Evaluation and disposability study of actual textile wastewater treatment by electro-oxidation method using Ti/RuO ₂ anode	Kaur P., Kushwaha J.P., Sangal V.K.	Department of Chemical Engineering	Process Safety and Environmental Protection	2017	9575820
Dynamic CO ₂ capture by carbon adsorbents: Kinetics, isotherm and thermodynamic studies	Tiwari D., Goel C., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Separation and Purification Technology	2017	13835866
Temporal deterioration in thermal performance of screen mesh wick straight heat pipe using surfactant free aqueous nanofluids	Bhullar B.S., Gangacharyulu D., Das S.K.	Department of Chemical Engineering	Heat and Mass Transfer/Waerme- und Stoffuebertragung	2017	9477411
Simplified MATLAB Solution Schemes of Heat Transfer Equations	Bhargava C.K., Arya R.K.	Department of Chemical Engineering	Chemical Engineering and Technology	2017	15214125
Synthesis, characterization and anticancer activities of metal ions Fe and Cu doped and co-doped TiO ₂	Garg A., Singh A., Sangal V.K., Bajpai P.K., Garg N.	Department of Chemical Engineering	New Journal of Chemistry	2017	1144-0546
Stability and durability studies of TiO ₂ coated immobilized system for the degradation of imidacloprid	Verma A., Toor A.P., Prakash N.T., Bansal P., Sangal V.K.	Department of Chemical Engineering	New Journal of Chemistry	2017	1144-0546
Solvent-free cycloaddition of CO ₂ and propylene oxide to cyclic carbonates using different ligand metal complexes	Narang S., Mehta R., Upadhyay S.N.	Department of Chemical Engineering	Inorganic and Nano-Metal Chemistry	2017	59229
Experimental analysis of thermal fatigue in bimetallic welds	Aggarwal H.K., Chhibber R., Arora N., Mehta R.	Department of Chemical Engineering	Materials Science Forum	2017	1662-9752
Investigations on design and formulation of buttering layer electrode coatings for bimetallic welds	Bhandari D., Chhibber R., Arora N., Mehta R.	Department of Chemical Engineering	Materials Science Forum	2017	1662-9752
Evaluation of mechanical properties of PEEK HAp bio-composite used in load bearing bone implants	Kumar S.S., Chhibber R., Mehta R.	Department of Chemical Engineering	Materials Science Forum	2017	1662-9752
Analysis of mechanical behaviour of heat affected zone on ferritic side of bimetallic welds under thermal fatigue conditions	Aggarwal H.K., Chhibber R., Arora N., Mehta R.	Department of Chemical Engineering	Materials Science Forum	2017	1662-9752
Radiotracer investigation of a pulp and paper mill effluent treatment plant	Sarkar M., Sangal V.K., Bhunia H., Bajpai P.K., Pant H.J., Sharma V.K., Kumar A., Naithani A.K.	Department of Chemical Engineering	Nukleonika	2017	15085791
Electrocatalytic oxidative treatment of real textile wastewater in continuous reactor: Degradation pathway and disposability study	Kaur P., Kushwaha J.P., Sangal V.K.	Department of Chemical Engineering	Journal of Hazardous Materials	2018	3043894

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Effect of addition of different nano-clays on the fumed silica-polyethyleneglycol based shear-thickening fluids	Singh M., Mehta R., Verma S.K., Biswas I.	Department of Chemical Engineering	Materials Research Express	2018	2053-1591
Optimization of Reactive Dividing-Wall Distillation Column for Ethyl t-Butyl Ether Synthesis	Kaur J., Sangal V.K.	Department of Chemical Engineering	Chemical Engineering and Technology	2018	15214125
Adsorption of CO ₂ on KOH activated, N-enriched carbon derived from urea formaldehyde resin: kinetics, isotherm and thermodynamic studies	Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Applied Surface Science	2018	1694332
Synthesis of highly stable and efficient Ag loaded GO/TiO ₂ nanotube electrodes for the photoelectrocatalytic degradation of pentachlorophenol	Rajput H., Sangal V.K., Dhir A.	Department of Chemical Engineering	Journal of Electroanalytical Chemistry	2018	15726657
Efficient removal of bisphenol S from aqueous solution by synthesized nano-zeolite secony mobil-5	Goyal N., Barman S., Bulasara V.K.	Department of Chemical Engineering	Microporous and Mesoporous Materials	2018	1387-1811
Synthesis and characterization of low-cost ceramic membranes from fly ash and kaolin for humic acid separation	Rawat M., Bulasara V.K.	Department of Chemical Engineering	Korean Journal of Chemical Engineering	2018	19757220
Removal of emerging contaminants daidzein and coumestrol from water by nanozeolite beta modified with tetrasubstituted ammonium cation	Goyal N., Bulasara V.K., Barman S.	Department of Chemical Engineering	Journal of Hazardous Materials	2018	3043894
Heat transfer and pressure drop performance of alumina-water nanofluid in a flat vertical tube of a radiator	Sokhal G.S., Gangacharyulu D., Bulasara V.K.	Department of Chemical Engineering	Chemical Engineering Communications	2018	986445
Effect of guar gum and salt concentrations on drag reduction and shear degradation properties of turbulent flow of water in a pipe	Sokhal K.S., Gangacharyulu D., Bulasara V.K.	Department of Chemical Engineering	Carbohydrate Polymers	2018	0144-8617
Adsorption and thermodynamic studies of pure and binary CO ₂ and N ₂ gas components on nitrogen enriched nanostructured carbon adsorbents	Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Chemical Thermodynamics	2018	0021-9614
A computational study of liquid-solid interfacial free energy (γ) for SW-Ge potential model	Gautam A.K., Chandra A.	Department of Chemical Engineering	Physica A: Statistical Mechanics and its Applications	2018	0378-4371
Fluoride uptake by zeolite NaA synthesized from rice husk: Isotherm, kinetics, thermodynamics and cost estimation	Mukherjee S., Barman S., Halder G.	Department of Chemical Engineering	Groundwater for Sustainable Development	2018	2352801X
Influence of pH and temperature of dip-coating solution on the properties of cellulose acetate-ceramic composite membrane for ultrafiltration	Kaur H., Bulasara V.K., Gupta R.K.	Department of Chemical Engineering	Carbohydrate Polymers	2018	0144-8617

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Development of chemically activated N-enriched carbon adsorbents from urea-formaldehyde resin for CO ₂ adsorption: Kinetics, isotherm, and thermodynamics	Tiwari D., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Environmental Management	2018	3014797
Thermal degradation kinetics of oxo-degradable PP/PLA blends	Mandal D.K., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Polymer Engineering	2018	9738622
Steady shear and dynamic strain thickening of halloysite nanotubes and fumed silica shear thickening composite	Passey P., Singh M., Verma S.K., Bhattacharya D., Mehta R.	Department of Chemical Engineering	Journal of Polymer Engineering	2018	9738622
Performance of a new ceramic microfiltration membrane based on kaolin in textile industry wastewater treatment	Saini P., Bulasara V.K., Reddy A.S.	Department of Chemical Engineering	Chemical Engineering Communications	2018	986445
Residence time distribution studies using radiotracers in chemical industry—A review	Sheoran M., Chandra A., Bhunia H., Bajpai P.K., Pant H.J.	Department of Chemical Engineering	Chemical Engineering Communications	2018	986445
Parametric study of electro-Fenton treatment for real textile wastewater, disposal study and its cost analysis	Kaur P., Sangal V.K., Kushwaha J.P.	Department of Chemical Engineering	International Journal of Environmental Science and Technology	2018	17352630
Epidemiological Study on Respiratory Health of School Children of Rural Sites of Malwa Region (India) During Post-harvest Stubble Burning Events	Saggu G.S., Mittal S.K., Agarwal R., Beig G.	Department of Chemical Engineering	Mapan - Journal of Metrology Society of India	2018	0970-3950
Evaluation of Biodegradability of Potato Peel Powder Based Polyolefin Biocomposites	Sugumaran V., Bhunia H., Narula A.K.	Department of Chemical Engineering	Journal of Polymers and the Environment	2018	1566-2543
Effect of molecular weight of polyethylene glycol on the rheological properties of fumed silica-polyethylene glycol shear thickening fluid	Singh M., Verma S.K., Biswas I., Mehta R.	Department of Chemical Engineering	Materials Research Express	2018	2053-1591
Adsorption removal of malachite green dye from aqueous solution	Tewari K., Singhal G., Arya R.K.	Department of Chemical Engineering	Reviews in Chemical Engineering	2018	21910235
CO ₂ adsorption on oxygen enriched porous carbon monoliths: Kinetics, isotherm and thermodynamic studies	Singh J., Bhunia H., Basu S.	Department of Chemical Engineering	Journal of Industrial and Engineering Chemistry	2018	1226-086X
Corrigendum to "Feasibility of using combined TiO ₂ photocatalysis and RBC process for the treatment of real pharmaceutical wastewater".	Talwar S., Sangal V.K., Verma A.	Department of Chemical Engineering	Journal of Photochemistry and Photobiology A: Chemistry	2018	10106030
Laplace Transform Treatment for Chemical Engineering Systems: Whether to Use 0- or 0+?	Ahuja S., Arya R.K.	Department of Chemical Engineering	Chemical Engineering and Technology	2018	15214125
Concentrating and Nonconcentrating Slurry and Fixed-Bed Solar Reactors for the Degradation of Herbicide Isoproturon	Verma A., Tejo Prakash N., Toor A.P., Bansal P., Sangal V.K., Kumar A.	Department of Chemical Engineering	Journal of Solar Energy Engineering, Transactions of the ASME	2018	0199-6231

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Morphology, rheology and biodegradation of oxo-degradable polypropylene/poly lactide blends	Mandal D.K., Bhunia H., Bajpai P.K., Chaudhari C.V., Dubey K.A., Varshney L.	Department of Chemical Engineering	Journal of Polymer Engineering	2018	9738622
To study the contribution of different geometric parameters on the failure load for multi holes pin joints prepared from glass/epoxy nanoclay laminates	Singh M., Saini J.S., Bhunia H.	Department of Chemical Engineering	Journal of Composite Materials	2018	00219983
Competitive adsorption isotherm modelling of heterocyclic nitrogenous compounds, pyridine and quinoline, onto granular activated carbon and bagasse fly ash	Rameshraj D., Srivastava V.C., Kushwaha J.P., Mall I.D.	Department of Chemical Engineering	Chemical Papers	2018	13369075
Biodegradation of Pro-oxidant Filled Polypropylene Films and Evaluation of the Ecotoxicological Impact	Mandal D.K., Bhunia H., Bajpai P.K., Kumar A., Madhu G., Nando G.B.	Department of Chemical Engineering	Journal of Polymers and the Environment	2018	1566-2543
Effects of Thermal Feed Quality on the Performance of a Divided Wall Distillation Column	Sangal V.K., Kumar V., Mishra I.M.	Department of Chemical Engineering	Theoretical Foundations of Chemical Engineering	2018	405795
Surface Modification of Nanocrystalline Zeolite X and Its Application as Catalyst in Synthesis of Cumene in a Packed Bed Flow Reactor: A Kinetic Study	Thakur R., Barman S., Halder G.	Department of Chemical Engineering	International Journal of Chemical Reactor Engineering	2018	15426580
Performance and mechanism of dye extraction from aqueous solution using synthesized deep eutectic solvents	Kaur P., Rajani N., Kumawat P., Singh N., Kushwaha J.P.	Department of Chemical Engineering	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018	0927-7757
Feasibility of using combined TiO ₂ photocatalysis and RBC process for the treatment of real pharmaceutical wastewater	Talwar S., Sangal V.K., Verma A.	Department of Chemical Engineering	Journal of Photochemistry and Photobiology A: Chemistry	2018	10106030
Electro-oxidation of Ofloxacin antibiotic by dimensionally stable Ti/RuO ₂ anode: Evaluation and mechanistic approach	Kaur R., Kushwaha J.P., Singh N.	Department of Chemical Engineering	Chemosphere	2018	456535
Tailoring of nanozeolite NaX for enhanced removal of a phytoestrogen from its aqueous solutions	Goyal N., Bulasara V.K., Barman S.	Department of Chemical Engineering	Separation Science and Technology (Philadelphia)	2018	0149-6395
Critical temperature estimation of bulk and confined atomic fluid using vapour-liquid interfacial free energy	Singh S.K.	Department of Chemical Engineering	Molecular Simulation	2018	23645083
Parametric optimization for the treatment of human urine metabolite, creatinine using electro-oxidation	Singla J., Verma A., Sangal V.K.	Department of Chemical Engineering	Journal of Electroanalytical Chemistry	2018	15726657
Effect of Mixing Parameters on Mechanical Properties of Organoclay Epoxy Nanocomposites	Sharma B., Chhibber R., Mehta R.	Department of Chemical Engineering	Materials Today: Proceedings	2018	2214-7853

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Catalytic hydrogen generation from NABH ₄ /H ₂ O system: Effects of catalyst and promoters	Kaur A., Gangacharyulu D., Bajpai P.K.	Department of Chemical Engineering	Brazilian Journal of Chemical Engineering	2018	16784383
Effect of crosslinked polymer content on drying of binary polymer—solvent coatings	Pathania A., Sharma J., Arya R.K., Ahuja S.	Department of Chemical Engineering	Progress in Organic Coatings	2018	3009440
Experimental investigation of the effect of heat transfer and pressure drop on performance of a flat tube by using water-based Al ₂ O ₃ nanofluids	Singh G., Gangacharyulu D., Bulasara V.K.	Department of Chemical Engineering	International Journal of Energy for a Clean Environment	2018	21503621
Thermally induced 1D to 2D polymer conversion accompanied by major packing changes in single-crystal-to-single-crystal transformation	Singh A.S., Ali A., Tiwari R.K., Behera J.N., Sun S.-S., Chandrasekhar V.	Department of Chemical Engineering	CrystEngComm	2018	1466-8033
PEEK composite scaffold preparation for load bearing bone implants	Kumar S.S., Chhibber R., Mehta R.	Department of Chemical Engineering	Materials Science Forum	2018	1662-9752
CO ₂ adsorption on oxygen enriched nanostructured carbons derived from silica templated resorcinol-formaldehyde	Tiwari D., Kaur S., Bhunia H., Bajpai P.K.	Department of Chemical Engineering	Journal of Industrial and Engineering Chemistry	2018	1226-086X
SCBC					
A surface expressed alkaline phosphatase biosensor modified with flower shaped ZnO for the detection of chlorpyrifos	M Pabbi, A Kaur,	SCBC	Sensors and Actuators, B	2018	0925-4005
Induction of Catalytic Activity in ZnO Loaded Cobalt Based MOF for the Reduction of Nitroarenes	R Kaur, M Chhibber, P Mahata, SK Mittal	SCBC	ChemistrySelect	2018	2365-6549
New Acyclic Arylether Ionophores as Potentiometric Sensors for Ca (II) and Fe (II) Ions	H Kaur, M Chhibber, SK Mittal	SCBC	MAPAN	2018	0974-9853
Voltammetric Method for Fe (III) in Blood Serum using Screen Printed Electrode modified with a Schiff Base ionophore	SK Mittal, S Rana, N Kaur, CE Banks	SCBC	Analyst	2018	0003-2654
Photodeposition of Ag and Cu binary co-catalyst onto TiO ₂ for improved optical and photocatalytic degradation properties	S Bhardwaj, B Pal	SCBC	Advanced Powder Technology	2018	0921-8831
Phase and shape dependent photoactivity of titania for nitroaromatics reduction under UV light irradiation	J Kaur, B Pal	SCBC	Journal of Nanoscience and Nanotechnology	2018	1533-4880
Catalytic selective hydrogenation and cross coupling reaction using polyvinylpyrrolidone capped nickel nanoparticles	A Bathla, B Pal	SCBC	Chemistry Select	2018	2365-6549
Remarkably improved dispersion stability and thermal conductivity of WO ₃ -H ₂ O suspension by SiO ₂ coating	B Pal, SS Mallick,	SCBC	Journal of Nanoscience and Nanotechnology	2018	1533-4880

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Aloe-vera flower shaped rutile TiO ₂ for selective hydrogenation of nitroaromatics under direct sunlight irradiation	S Singh, R Prajapat, RA Rather, B Pal	SCBC	Arabian Journal of Chemistry	2018	1878-5352
Synthesis of bimetallic Au-Ag alloyed mesocomposites and their catalytic activity for the reduction of nitroaromatics	S Sareen, V Mutreja, B Pal, S Singh	SCBC	Applied Surface Science	2018	0169-4332
Plasmonic stimulated photocatalytic/electrochemical hydrogen evolution from water by (001) faceted and bimetallic loaded titania nanosheets under sunlight irradiation	RA Rather, D Pooja, P Kumar, S Singh, B Pal	SCBC	Journal of Cleaner Production	2018	0959-6526
Fabrication of core-shell PLGA/PLA-pNIPAM nanocomposites for improved entrapment and release kinetics of antihypertensive drugs	T Basu, B Pal, S Singh	SCBC	Particuology	2018	1674-2001
¹ H NMR assisted quantification of glycerol carbonate in the mixture of glycerol and glycerol carbonate	A Kaur, R Prakash, A Ali	SCBC	Talanta	2018	0039-9140
An Asymmetric Synthesis of ((3R, 6R)-6-Methylpiperidineyl) methanol; A Piperidine Core Unit of Potent Dual Orexin Receptor Antagonist MK-6096	A Kaur, R Prakash, SK Pandey	SCBC	Chemistry Select	2018	2365-6549
Bioaccessible selenium sourced from Se-rich mustard cake facilitates protection from TBHP induced cytotoxicity in melanoma cells	SK Jaiswal, R Prakash, KS Prabhu, NT Prakash	SCBC	Food and function	2018	2042-650X
Lithium-doped ceria supported SBA-15 as mesoporous solid reusable and heterogeneous catalyst for biodiesel production via simultaneous esterification and transesterification	R. Malhotra, A. Ali	SCBC	Renew Energy	2018	0960-1481
Tungsten Supported Ti/SiO ₂ Nanoflowers as Reusable Heterogeneous Catalyst for Biodiesel Production	M. Kaur, R. Malhotra, A. Ali	SCBC	Renew Energy	2018	0960-1481
Spermine detection from urine and blood serum using ionic self-assembly of benzimidazolium based dipod and dodecylsulfate	N. Tripathi, P. Singha, V. Luxami, D. Mahajan, S. Kumar	SCBC	Sensors and Actuators, B	2018	0925-4005
Acrylonitrile embedded benzimidazole-anthraquinone based chromofluorescent sensor for ratiometric detection of CN ⁻ ions in bovine serum albumin	G. Kumar, N. Gupta, K. Paul, V. Luxami	SCBC	Sensors and Actuators, B	2018	0925-4005

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Aggregation induced emission-excited state intramolecular proton transfer based "off-on" fluorescent sensor for Al ³⁺ ions in liquid and solid state	G. Kumar, K. Paul, V. Luxami	SCBC	Sensors and Actuators, B	2018	0925-4005
A new Turn-on ¹ PET-CHEF based fluorescent sensor for Al ³⁺ and CN ⁻ ions: Applications in real samples	Gupta, A.S., Paul, K., Luxami, V.	SCBC	Analytical Methods	2018	17599660
Investigation of rotameric conformations of substituted imidazo-[1,2-a] pyrazine: Experimental and theoretical approaches	Kumar, G., Goel, R., Paul, K., Luxami, V.	SCBC	RSC Adv.	2018	2046-2069
BINOL-based differential chromo-fluorescent sensor and its application in miniaturized 1-2/4-2 bit encoders and decoders	Gupta, A.S., Kumar, G., Paul, K., Luxami, V.	SCBC	New J. Chem.	2018	1369-9261
Molecular insights into the effect L17A/F19A double mutation on the structure and dynamics of Aβ40: A molecular dynamics simulation study	Saini, R. K.; Shuaib, S.; Goyal, D.; Goyal, B.	SCBC	J. Cell. Biochem.	2018	0730-2312
Benzofuran and indole: A promising scaffold for drug development in Alzheimer's disease	Goyal, D.; Kaur, A.; Goyal, B.	SCBC	ChemMedChem	2018	1860-7187
Structure and reactivity/selectivity control by oriented-external electric fields	S. Shaik, R. Ramanan, D. Danovich, D. Mandal	SCBC	Chem. Soc. Rev.	2018	0306-0012
Catalysis of Methyl Transfer Reactions by Oriented External Electric Fields: Are Gold-Thiolate Linkers Innocent?	R. Ramanan, D. Danovich, D. Mandal S. Shaik	SCBC	J. Am. Chem. Soc.	2018	0002-7863
A Michael addition-cyclization-based switch-on fluorescent chemodosimeter for Cysteine and its application in living cell imaging	S. Manna, P. Karmakar, S. S. Ali, U. N. Guria, R. Sarkar, P. Datta, D. Mandal, A. K. Mahapatra	SCBC	New J. Chem.	2018	1144-0546
Reaction-Based Bi-signaling Chemodosimeter Probe for Selective Detection of Hydrogen Sulfide and Cellular Studies	U. N. Guria, K. Maiti, S. S. Ali, S. K. Samanta, D. Mandal, R. Sarkar, P. Datta, A. K. Ghosh, A. K. Mahapatra	SCBC	New J. Chem.	2018	1144-0546
Kinetic Isotope Effect Determination Probes the Spin of the Transition State, Its Stereochemistry, and Its Ligand Sphere in Hydrogen Abstraction Reactions of Oxoiron(IV) Complexes	D. Mandal, D. Mallick, S. Shaik	SCBC	Acc. Chem. Res.	2018	0001-4842
A facile means for the improvement of sensing properties of metal-organic frameworks through control on the key synthesis variables.	Kukkar, Preeti; Kukkar, Deepak; Sammi, Heena; Singh, Karanveer; Rawat, Mohit; Singh, Pritpal; Basu, Soumen; Kim, Ki-Hyun	SCBC	Sensors and Actuators, B	2018	0925-4005

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Synthesis of Porous Carbon Monolith Adsorbents for Carbon Dioxide Capture: Breakthrough Adsorption Study	Singh, Jasminder; Bhunia, Haripada; Basu, Soumen.	SCBC	Journal of the Taiwan Institute of Chemical Engineers	2018	1876-1070
Luminescent Carbon Quantum Dot-Au Nanoparticles System for Fluorescence Turn-on/off Detection of Biothiols.	Mehta, Akansha; Mishra, Amit; Basu, Soumen.	SCBC	Plasmonics	2018	1557-1963
Remediation of Heavy Metal Ions Using Hierarchically Porous Carbon Monolith Synthesized via Nanocasting Method.	Sharma, Manisha; Singh, Jasminder; Hazra, Satyajit; Basu, Soumen.	SCBC	Journal of Environmental Chemical Engineering	2018	2213-3437
Fructose modified synthesis of ZnO nanoparticles and its application for removal of industrial pollutants from water.	Singh, Gurjinder; Singh, Jagpreet; Kumar, Sanjeev; Basu, Soumen; Rawat, Mohit.	SCBC	Journal of Materials Science: Materials in Electronics	2018	1573-4803
Quantitative Detection of Thiopurines by Inter-Particle Distance Dependent Properties of Gold Nanoparticles.	Kainth, Shagun; Basu, Soumen.	SCBC	Plasmonics	2018	1557-1963
A Sensitive Turn on Fluorescent Probe for Detection of Biothiols Using MnO ₂ @Carbon Dots Nanocomposites.	Garg, Dimple; Mehta, Akansha; Mishra, Amit; Basu, Soumen.	SCBC	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2018	1386-1425
Green Synthesis of Silver Nanoparticles Using Sun Dried Tulsi Leaves and Its Catalytic Application for 4-Nitrophenol Reduction.	Singh, Jagpreet; Mehta, Akansha; Rawat, Mohit; Basu, Soumen.	SCBC	Journal of Environmental Chemical Engineering	2018	2213-3437
Effect of Different Plasmonic Metals on Photocatalytic Degradation of Volatile Organic Compounds (VOCs) by bentonite/M-TiO ₂ Nanocomposites under UV/Visible Light.	Mishra, Amit; Mehta, Akansha; Kainth, Shagun; Basu, Soumen.	SCBC	Applied Clay Science	2018	0169-1317
Biosynthesis of Tin Oxide Nanoparticles using Psidium Guajava Leave Extract for Photocatalytic Dye Degradation under Sunlight.	Kumar, Mandeep; Mehta, Akansha; Mishra, Amit; Singh, Jagpreet; Rawat, Mohit; Basu, Soumen.	SCBC	Materials Letters	2018	0167-577X
CO ₂ Adsorption on Oxygen Enriched Porous Carbon Monoliths: Kinetics, Isotherm and Thermodynamic Studies.	Singh, Jasminder; Bhunia, Haripada; Basu, Soumen.	SCBC	Journal of Industrial and Engineering Chemistry	2018	1226-086X
Enhanced dye degradation using hydrothermally synthesized nanostructured Sb ₂ S ₃ /rGO under visible light irradiation.	Dashairya, Love; Sharma, Manisha; Basu, Soumen; Saha, Partha.	SCBC	Journal of Alloys and Compounds	2018	1533-4899
Effect of Surfactants on the Structure and Adsorption Efficiency of Hydroxyapatite Nanorods.	Sharma, Manisha; Mishra, Amit; Mehta, Akansha; Choudhury, Diptiman; Basu, Soumen.	SCBC	Journal of Nanoscience and Nanotechnology	2018	1533-4880
Low Temperature Synthesis of Elongated Triangular Bipyramidal ZnO Nanostructures for Photocatalytic Activity	Singh, Gurjinder; Panday, Sudhakar; Rawat, Mohit; Kukkar, Deepak; Kumar, Sanjeev; Basu, Soumen	SCBC	Journal of Nano Research	2018	1661-9897

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4-Nitrophenol Reduction Catalysed by Au-Ag Bimetallic Nanoparticles Supported on LDH: Homogeneous Vs. Heterogeneous Catalysis.	Arora, Nidhi; Mehta, Akansha; Mishra, Amit; Basu, Soumen.	SCBC	Applied Clay Science	2018	0169-1317
Luminescence Based Detection of Trinitrophenol and Aromatic Organophosphorous Pesticides Using a Coordination Polymer	R Kaur, M Chhibber, P Mahata, SK Mittal	SCBC	Journal of the Mexican Chemical Society	2017	1870-249X
Acyclic Arylamine-Based Ionophores as Potentiometric Sensors for Zn ²⁺ and Ni ²⁺ Ions	H Kaur, M Chhibber, SK Mittal	SCBC	C Journal of Carbon Research	2017	2311-5629
Enhanced co-catalytic effect of Cu-Ag bimetallic core-shell nanocomposites imparted to TiO ₂ under visible light illumination	A Monga, RA Rather, B Pal	SCBC	Solar Energy Materials and Solar Cells	2017	0927-0248
Photo-oxidation kinetics of sugars having different molecular size and glycosidic linkages for their complete mineralization to subunits by bare/Ag-TiO ₂ under UV irradiation.	S Thakur, K Kaur, N Das, B Pal	SCBC	Journal of the Taiwan Institute of Chemical Engineers	2017	1876-1070
A Cu-Au bimetallic co-catalysis for the improved photocatalytic activity of TiO ₂ under visible light radiation	A Monga, A Bathla, B Pal,	SCBC	Solar Energy	2017	0038-092X
SiO ₂ -coated pure anatase TiO ₂ catalysts for enhanced photo-oxidation of naphthalene and anthracene	IS Grover, RC Prajapat, S Singh, B Pal,	SCBC	Particuology	2017	1674-2001
Ag ⁺ and Cu ²⁺ doped CdS nanorods with tunable band structure and superior photocatalytic activity under sunlight	R Singh, S Basu, B Pal	SCBC	Materials Research Bulletin	2017	0025-5408
Fungus-mediated generation of ethyl ester using acid oil as substrate	A Sharma, NT Prakash, R Prakash	SCBC	Environmental Progress & Sustainable Energy	2017	1944-7450
Synthesis of new triazole based imidazo [1, 2-a] pyrazine-benzimidazole conjugates: H-bonding assisted FRET efficient ratiometric detection of pyrophosphate	Richa Goel, Vijay Luxami, Kamaldeep Paul	SCBC	Journal of Photochemistry and Photobiology A	2017	1010-6030
Dye Degradation of Spherical and Rod Shaped CuO Semiconductor Nanoparticles	Singh, Gurjinder; Panday, Sudhakar; Rawat, Mohit; Basu, Soumen.	SCBC	Emerging Materials Research	2017	20460147, 20460155
Effective Removal of Metal Ions from Aqueous Solution by Mesoporous MnO ₂ and TiO ₂ Monoliths: Kinetic and Equilibrium Modelling	Sharma, Manisha; Choudhury, Diptiman; Hazra, Satyajit; Basu, Soumen	SCBC	Journal of Alloys and Compounds	2017	0925-8388

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Synthesis of Heterogeneous Ag-Cu Bimetallic Monolith with Different Mass Ratios and Their Performances for Catalysis and Antibacterial Activity	Sharma, Manisha; Hazra, Satyajit; Basu, Soumen	SCBC	Advanced Powder Technology	2017	0921-8831
Mesoporous MgO Nanostructures Using Cationic Surfactants: Enhanced Adsorption and Antimicrobial activity	Sharma, Jyoti; Sharma, Manisha; Basu, Soumen	SCBC	Journal of Environmental Chemical Engineering	2017	2213-3437
Kinetic and Isotherm Studies on Adsorption of Toxic Pollutants Using Porous ZnO@SiO ₂ Monolith	Sharma, Manisha; Hazra, Satyajit; Basu, Soumen	SCBC	Journal of Colloid and Interface Science	2017	0021-9797
Molecular insights into Aβ ₄₂ protofibril destabilization with a fluorinated compound D744: A molecular dynamics simulation study	Saini, R. K.; Shuaib, S.; Goyal, B	SCBC	J. Mol. Recognit.	2017	1099-1352
Electrocatalytic CO ₂ Reduction by Imidazolium-Functionalized Molecular Catalysts	Siyoung Sung, Davinder Kumar, Marcos Gil-Sepulcre, Michael Nippe	SCBC	Journal of American Chemical Society	2017	1520-5126
Privileged Role of Thiolate as the Axial Ligand in Hydrogen Atom Transfer Reactions by Oxoiron(IV) Complexes in Shaping the Potential Energy Surface and Inducing Significant H Atom Tunneling	J. E. M. N. Klein, D. Mandal, W. M. Ching, D. Mallick, L. Que, S. Shaik	SCBC	Journal of American Chemical Society	2017	1520-5126
Effect of Different Shapes of TiO ₂ Nanoparticles on the Catalytic Photodegradation of Salicylic Acid Under UV Light	MK Aulakh, N Arora, A Kumar, A Ali, B Pal	SCBC	Journal of Nanoscience and Nanotechnology	2017	1533-4899
AC ₃ N ₄ surface passivated highly photoactive Au-TiO ₂ tubular nanostructure for the efficient H ₂ production from water under sunlight irradiation	RA Rather, S Singh, B Pal	SCBC	Applied Catalysis B: Environmental	2017	0926-3373
Highly photoactive Au-TiO ₂ nanowires for improved photo-degradation of propiconazole fungicide under UV/sunlight irradiation	IS Grover, RC Prajapat, S Singh, B Pal	SCBC	Solar Energy	2017	0038-092X
A Cu ⁺ /Cu ⁰ -TiO ₂ mesoporous nanocomposite exhibits improved H ₂ production from H ₂ O under direct solar irradiation	RA Rather, S Singh, B Pal	SCBC	Journal of Catalysis	2017	0021-9517
A fluorescent probe with "AIE + ESPT" characteristics for Cu²⁺ and F⁻ ions estimation	Akul Sen Gupta, Kamaldeep Paul, Vijay Luxami,	SCBC	Sensors and Actuators B: Chemical	2017	0925-4005

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Naphthalimide based chromofluorescent sensor and DNA intercalator: Triggered by Hg²⁺/HSO₄⁻ cleavage reaction	Richa Goel, Sheryl Sharma, Kamaldeep Paul, Vijay Luxami	SCBC	Sensors and Actuators B: Chemical	2017	0925-4005
1,8-Naphthalimide: A Potent DNA Intercalator and Target for Cancer Therapy	Runjhun Tandon, Vijay Luxami, Harsovin Kaur, Nitin Tandon, and Kamaldeep Paul	SCBC	Chem. Rec.	2017	1528-0691
Quinazolinone-benzimidazole conjugates: Synthesis, characterization, dihydrofolate reductase inhibition, DNA and protein binding properties	Prinka Singla, Vijay Luxami, Kamaldeep Paul	SCBC	Journal of Photochem. & Photobio., B: Biology	2017	1011-1344
ESIPT coupled RAHB probe for estimation of cyanide in human blood serum/plasma like solution using chemodosimetric approach	Akul SenGupta, Kamaldeep Paul, Vijay Luxami	SCBC	Chem. Select	2017	2365-6549
Novel pyrazolo[3,4-d]pyrimidine with 4-(1H-benzimidazol-2-yl)-phenylamine as broad spectrum anticancer agents: Synthesis, cell based assay, topoisomerase inhibitors, DNA intercalation and bovine serum albumin studies	Prinka Singla, Vijay Luxami, Raja Singh, Vibha Tandon, Kamaldeep Paul	SCBC	Eur. J. Med. Chem.	2017	0223-5234
Visible and direct sunlight induced H ₂ production from water by plasmonic Ag-TiO ₂ nanorods hybrid interface	RA Rather, S Singh, B Pal	SCBC	Solar Energy Materials and Solar Cells	2017	0927-0248
Photocatalytic Degradation of Methylene Blue by Plasmonic Metal-TiO ₂ Nanocatalysts Under Visible Light Irradiation	RA Rather, S Singh, B Pal	SCBC	Journal of Nanoscience and Nanotechnology	2017	1533-4899
Enhanced photocatalytic water splitting by gold carbon dot core shell nanocatalyst under visible/sunlight.	Mehta, Akansha; D, Pooja; Thakur, Anupma; Basu, Soumen.	SCBC	New Journal of Chemistry	2017	1369-9261
Controlled photocatalytic hydrolysis of nitriles to amides by mesoporous MnO ₂ nanoparticles fabricated by mixed surfactant mediated approach.	Mehta, Akansha; Basu, Soumen.	SCBC	Journal of Photochemistry and Photobiology A: Chemistry	2017	1010-6030
Enhanced heterogeneous photodegradation of VOC and dye using microwave synthesized TiO ₂ /Clay nanocomposites: A comparison study of different type of clays.	Mishra, Amit; Mehta, Akansha; Sharma, Manisha; Basu, Soumen.	SCBC	Journal of Alloys and Compounds	2017	0925-8388
Impact of Ag nanoparticles on photomineralization of chlorobenzene by TiO ₂ /bentonite nanocomposite.	Mishra, Amit; Mehta, Akansha; Sharma, Manisha; Basu, Soumen.	SCBC	Journal of Environmental Chemical Engineering	2017	2213-3437

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Effect of Au Content on the Enhanced Photocatalytic Efficiency of Mesoporous Au/TiO ₂ Nanocomposites in UV and Sunlight.	Mehta, Akansha; Mishra, Amit; Sharma, Manisha; Basu, Soumen.	SCBC	Gold Bulletin	2017	2190-7579
Facile Synthesis of CuO Semiconductor Nanorods for Time Dependent Study of Dye Degradation and Bioremediation Applications.	Singh, Gurjinder; Panday, Sudhakar; Rawat, Mohit; Kukkar, Deepak; Basu, Soumen.	SCBC	Journal of Nano Research	2017	1661-9897
Microwave Treated Bentonite Clay Based TiO ₂ Composites: An Efficient Photocatalyst for Rapid Degradation of Methylene Blue.	Mishra, Amit; Sharma, Manisha; Mehta, Akansha; Basu, Soumen.	SCBC	Journal of Nanoscience and Nanotechnology	2017	1533-4899
Synthesis of Mesoporous Cerium Oxide (CeO ₂) Nanoparticles and Effect of Cerium Precursors on Transamidation of Acetamide with N-Octylamine Under Solvent-Free Conditions.	Kumar, Ashish; Sharma, Manu; Gautam, Rajeev K; Agarwal, Pooja; Basu, Soumen.	SCBC	Journal of Nanoscience and Nanotechnology	2017	1533-4899
Variation of Surface Area of Silica Monoliths by Controlling Ionic Character/Chain Length of Surfactants and Polymers.	Sharma, M., Mishra, A., Mehta, A., Choudhury, D., Basu, S.	SCBC	Mater. Lett.	2017	0167-577X
Paclitaxel resistance development is associated with biphasic changes in ROS, mitochondrial membrane potential and autophagy with elevated energy production capacity in lung cancer cells: A chronological study.	Datta, S., Choudhury, D., Das, A., Mukherjee, D.D., Das, N., Roy, S.S., Chakrabarti, G.	SCBC	Tumor Biol.	2017	1423-0380
Enhanced catalytic and antibacterial activity of nanocasted mesoporous silver monoliths: kinetic and thermodynamic studies.	Sharma, M., Mehta, A., Mishra, A., Choudhury, D., Basu, S.	SCBC	J. Sol-Gel Sci. Technol.	2017	1573-4846
Improved degradation of methyl orange dye using bio-co-catalyst Se nanoparticles impregnated ZnS photocatalyst under UV irradiation	S Ahluwalia, NT Prakash, R Prakash, B Pal	SCBC	Chemical Engineering Journal	2016	1385-8947
An NBD-based two-in-one Cu ²⁺ /Ni ²⁺ chemosensor with differential charge transfer processes	Richa Rani, Kamaldeep Paul and Vijay Luxami	SCBC	New J. Chem	2016	1369-9261
Synthesis of energy transfer cassettes via click and Suzuki–Miyaura cross coupling reactions	Richa Goel, Vijay Luxami and Kamaldeep Paul	SCBC	RSC Adv.,	2016	2046-2069
Synthesis and in vitro evaluation of novel triazine analogues as anticancer agents and their interaction studies with bovine serum albumin	Prinka Singla, Vijay Luxami and Kamaldeep Paul	SCBC	Eur. J. Med. Chem	2016	0223-5234

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Pyrrolo[2,3-b]pyridine derivatives: Synthesis and preliminary evaluation of their calf thymus DNA binding properties	Prinka Singla, Vijay Luxami, Kamaldeep Paul	SCBC	Chem. Select.	2016	2365-6549
Imidazo[1,2-a]pyridines: promising drug candidate for antitumor therapy	Richa Goel, Vijay Luxami and Kamaldeep Paul	SCBC	Curr. Top. Med. Chem	2016	1873-4294
Benzimidazole based ratiometric chemosensor for detection of CN ⁻ and Cu ²⁺ ions in protic/aqueous system: Elaboration as XOR logic operation	Akul Sen Gupta, Kamaldeep Paul, Vijay Luxami	SCBC	Inorg. Chim. Acta	2016	0020-1693
Thiazolidine based differential chromo-fluorescent sensor for Cu ²⁺ and CN ⁻ ions: Elaboration as logic devices	Richa Rani, Gulshan Kumar, Kamaldeep Paul, Vijay Luxami	SCBC	J. Lumin.	2016	0022-2313
Differential sensing of fluoride and cyanide ions by using Dicyano substituted benzimidazole probe	Akul Sen Gupta, Aparna Garg, Kamaldeep Paul, Vijay Luxami	SCBC	J. Lumin.	2016	0022-2313
Triazine–benzimidazole conjugates: synthesis, spectroscopic and molecular modelling studies for interaction with calf thymus DNA	Prinka Singla, Vijay Luxami and Kamaldeep Paul	SCBC	RSC Adv.,	2016	2046-2069
Synthesis, in vitro antitumor activity, dihydrofolate reductase inhibition, DNA intercalation and structure–activity relationship studies of 1,3,5-triazine analogues	Prinka Singla, Vijay Luxami and Kamaldeep Paul	SCBC	Bioorg. & Med. Chem. Lett.	2016	0960-894X
Benzimidazole-Quinazolines: In vitro Evaluation, Quantitative Structure Activity Relationship and Molecular Modeling as Aurora Kinase Inhibitors	Alka Sharma, Vijay Luxami, Sanjai Saxena and Kamaldeep Paul	SCBC	Arch. Pharm. Chem. Life Sci.	2016	0365–6233
Csp ² –O and C–C Bond Formation via Pd-Catalyzed Coupling Reaction of 2,4-Dichloroquinazoline	Alka Sharma, Vijay Luxami, and Kamaldeep Paul	SCBC	J. Heterocyclic Chem.	2016	1943-5193
Oxidative degradation of aliphatic carboxylic acids by photocatalysis with bare and Ag-loaded TiO ₂ under UV light irradiation	R Prakash, RA Rather, M Kaur, B Pal	SCBC	Particulate Science and Technology	2016	1548-0046
Surface structural, morphological, and catalytic studies of homogeneously dispersed anisotropic Ag nanostructures within mesoporous silica	S Sareen, V Mutreja, B Pal, S Singh	SCBC	Nanoparticle Research	2016	2577-4417
Synthesis and Characterization of Ramipril Embedded Nanospheres of Biodegradable Poly-D, L-Lactide-co-Glycolide and Their Kinetic Release Study	T Basu, B Pal, S Singh	SCBC	Advanced Science Engineering and Medicine	2016	2164-6635

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Core-shell morphology of Au-TiO ₂ @ apourn oxide nanocomposite exhibiting enhanced hydrogen production from water	RA Rather, S Singh, B Pal	SCBC	Journal of Industrial and Engineering Chemistry	2016	1226-086X
Total Synthesis of Haliclamide, a Marine Natural Product	Suraksha Gahalawat and Satyendra Kumar Pandey	SCBC	Org. Biomol. Chem.	2016	1477-0539
A Short Total Synthesis of the Antimalarial Flindersial Alkaloids	Ramandeep Kaur, Yuvraj Garg and Satyendra Kumar Pandey	SCBC	ChemistrySelect	2016	2365-6549
Enantioselective total synthesis of (S)-nakinadine B	Yuvraj Garg and Satyendra Kumar Pandey	SCBC	RSC Adv.	2016	2046-2069
Enantioselective synthesis of (1S,2R)-ephedrine	Ramandeep Kaur and Satyendra Kumar Pandey	SCBC	Tetrahedron: Asymmetry	2016	0957-4166
Aminolysis of triglycerides using nanocrystalline nickel doped CaO as an efficient solid catalyst	Dinesh Kumar, KM Abida and Amjad Ali	SCBC	RSC Adv.	2016	2046-2069
Solvent-free one step aminolysis and alcoholysis of low-quality triglycerides using sodium modified CaO nanoparticles as solid catalyst	Dinesh Kumar, Soo Min Kim and Amjad Ali,	SCBC	RSC Adv.	2016	2046-2069
One-pot solvent-free synthesis of fatty acid alkanoamides from natural oil triglycerides using alkali metal doped CaO nanoparticles as heterogeneous catalyst	Dinesh Kumar, Hyeon Kuk and Amjad Ali	SCBC	J. Ind. Eng. Chem.,	2016	1226-086X
Effect of silica/titania ratio on enhanced photooxidation of industrial hazardous materials by microwave treated mesoporous SBA-15/TiO ₂ nanocomposites.	Mehta, Akansha; Mishra, Amit; Sharma, Manisha; Basu, Soumen.	SCBC	Journal of Nanoparticle Research	2016	1572-896X
Gold Nanoparticles Grafted Mesoporous Silica: A Highly Efficient and Recyclable Heterogeneous Catalyst for Reduction of 4-Nitrophenol.	Mehta, Akansha; Sharma, Manu; Kumar, Ashish; Basu, Soumen.	SCBC	Nano (World Scientific)	2016	1793-7094
Green Synthesis of Silver Nanoparticles with Exceptional Colloidal Stability and Its Catalytic Activity towards Nitrophenol Reduction.	Sharma, Manisha; Mishra, Amit; Kumar, Vinod; Basu, Soumen.	SCBC	Nano (World Scientific)	2016	1793-7094
Fine CuO anisotropic nanoparticles supported on mesoporous SBA-15 for selective hydrogenation of nitroaromatics	Shweta Sareen, Vishal Mutreja, Satnam Singh, Bonamali Pal	SCBC	Journal of Colloid and Interface Science,	2016	0021-9797
Vapor phase oxidation of benzyl alcohol over nano Au/SBA-15 catalysts: Effect of preparation methods	Ashish Kumar, V. Pavan Kumar , A. Srikanth, V. Vishwanathan and K.V.R. Chary	SCBC	Catalysis Letters	2016	1572-879X
Catalytic Functionalities of Nano Ru/g-Al ₂ O ₃ Catalysts for the Vapour Phase Hydrogenolysis of Glycerol	V. Pavan Kumar, S.S. Priya, Y. Harikrishna, Ashish Kumar and K.V.R. Chary	SCBC	Journal of Nanoscience and Nanotechnology	2016	1533-4899

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Fabrication of a mercury (II).ion selective electrode based on poly-o-toluidine–zirconium phosphoborate	Sandeep Kaushal, Rahul Badru, Sanjeev Kumar, Susheel K. Mittal and Pritpal Singh.	SCBC	RSC Adv..	2016	2046-2069
Highly dispersed gold nanoparticles supported on SBA-15 for apour phase aerobic oxidation of benzyl alcohol	Ashish Kumar, B. Sreedhar and K.V.R. Chary	SCBC	Journal of Nanoscience and Nanotechnology	2015	1533-4899
Influence of preparation methods of nano Au/MCM-41 catalysts for vapour phase oxidation of benzyl alcohol	Ashish Kumar, V. Pavan Kumar, V. Vishwanathan and K.V.R. Chary	SCBC	Journal of Nanoscience and Nanotechnology	2015	1533-4899
Vapor-phase hydrogenolysis of glycerol over nanostructured Ru/MCM-41 catalysts	V. Pavan Kumar, Ashish Kumar, G.S. Rao and K.V.R. Chary	SCBC	Catalysis Today	2015	0920-5861
Selective formation of benzo [c] cinnoline by photocatalytic reduction of 2, 2'-dinitrobiphenyl using TiO ₂ and under UV light irradiation	Jaspreet Kaur and Bonamali Pal	SCBC	Chemical Communications,	2015	1359-7345
Tuning the optical and photocatalytic properties of anisotropic ZnS nanostructures for the selective reduction of nitroaromatics	Pal, B., Pal, B.	SCBC	Chemical Engineering Journal,	2015	1385-8947
An Enantioselective Approach to Functionalized Amino Acids: Total Synthesis of Antiepileptic Drug ®-Lacosamide.	Yuvraj Garg and Satyendra Kumar Pandey	SCBC	J. Org. Chem.	2015	1520-6904
Purine-benzimidazole hybrids: Synthesis, single crystal determination and in vitro evaluation of antitumor activities	Alka Sharma, Vijay Luxami, Kamaldeep Paul	SCBC	European Journal of Medicinal Chemistry	2015	0223-5234
Superior Adsorption and Photodegradation of Eriochrome Black-T Dye by Fe ³⁺ and Pt ⁴⁺ Impregnated TiO ₂ Nanostructures of Different Shapes	Bonamali Pal, Inderpreet Singh Grover and Rupinder Kaur	SCBC	Journal of Industrial and Engineering Chemistry,	2015	1226-086X
Preparation and characterization of different shapes of Au–Ag bimetallic nanocomposites for enhanced physicochemical properties	Anila Monga and Bonamali Pal	SCBC	Colloids and Surfaces A: Physicochemical and Engineering Aspects,	2015	0927-7757
Plasmonic Coinage Metal-TiO ₂ Hybrid Nanocatalysts for Highly Efficient Photocatalytic Oxidation under Sunlight Irradiation	Rupinder Kaur and Bonamali Pal	SCBC	New Journal of Chemistry,	2015	1369-9261
Influence of oxidative etching of Au nanostructures by KmnO ₄ on its surface morphology, electro-kinetic properties and improved catalytic activity	Anila Monga and Bonamali Pal	SCBC	Journal of Industrial and Engineering Chemistry,	2015	1226-086X

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Physicochemical and catalytic properties of Au nanorods micro-assembled in solvents of varying dipole moment and refractive index	Rupinder Kaur and Bonamali Pal	SCBC	Materials Research Bulletin,	2015	0025-5408
Phase-dependent Thermophysical Properties of α - and γ -Al ₂ O ₃ in Aqueous Suspension	Bhupender Pal, Soumya Mallick and Bonamali Pal	SCBC	Journal of Industrial and Engineering Chemistry,	2015	1226-086X
Preparation, Surface and Crystal Structure, Band Energetics, Optoelectronic, and Photocatalytic Properties of AuxCd1-xS Nanorods	Singh, R., Pal, B.	SCBC	ChemPlusChem.	2015	2192-6506
Shape Dependent Thermal Conductivity of TiO ₂ -Deionized Water and Ethylene Glycol Dispersion	Pal, B., Mallick, S.S., Pal, B.	SCBC	Journal of Nanoscience and Nanotechnology,	2015	1533-4899
Highly dispersed Au, Ag and Cu nanoparticles in mesoporous SBA-15 for highly selective catalytic reduction of nitroaromatics	Sareen, S., Mutreja, V., Singh, S., Pal, B.	SCBC	RSC Advances,	2015	2046-2069
Improved catalytic activity and surface electro-kinetics of bimetallic Au-Ag core-shell nanocomposites	Monga, A., Pal, B.	SCBC	New Journal of Chemistry,	2015	1369-9261
Influence of Different Reducing Agents on the Ag Nanostructures and Their Electrokinetic and Catalytic Properties	Rana, S., Pal, B., Kaur, R.	SCBC	Journal of Nanoscience and Nanotechnology,	2015	1533-4899
Homogeneous dispersion of Au nanoparticles into mesoporous SBA-15 exhibiting improved catalytic activity for nitroaromatic reduction	Sareen, S., Mutreja, V., Singh, S., Pal, B.	SCBC	Microporous and Mesoporous Materials	2015	1387-1811
Triazine as a promising scaffold for its versatile biological behavior	Prinka Singla, Vijay Luxami, Kamaldeep Paul	SCBC	European Journal of Medicinal Chemistry	2015	0223-5234
Recent advances in development of imidazo-[1,2-a]pyrazines: synthesis, reactivity and their biological applications	Richa Goel, Vijay Luxami and Kamaldeep Paul	SCBC	Org. Biomol. Chem	2015	1477-0520
Ratiometric fluorescent chemosensor for fluoride ion based on inhibition of excited state intramolecular proton transfer	Akul Sen Gupta, Kamaldeep Paul, Vijay Luxami	SCBC	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 138	2015	1386-1425
Synthetic approaches and functionalizations of imidazo[1,2-a]pyrimidines: an overview of the decade	Richa Goel, Vijay Luxami and Kamaldeep Paul	SCBC	RSC Adv.	2015	2046-2069
Synthesis, in vitro evaluation and DNA interaction studies of N-allyl naphthalimide analogues as anticancer agents	Meenakshi Verma, Vijay Luxami and Kamaldeep Paul	SCBC	RSC Adv.	2015	2046-2069
Synthesis, in vitro anticancer activity and SAR studies of arylated imidazo[1,2-a]pyrazine-coumarin hybrids	Richa Goel, Vijay Luxami and Kamaldeep Paul	SCBC	RSC Adv.	2015	2046-2069

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Quinazoline–benzimidazole hybrid as dual optical sensor for cyanide and Pb ²⁺ ions and Aurora kinase inhibitor	Vijay Luxami, Richa Rani, Alka Sharma, Kamaldeep Paul	SCBC	Journal of Photochemistry and Photobiology A: Chemistry	2015	1010-6030
Synthesis of new 2,3-disubstituted pyridines containing a 1,2,3-triazole in the side-chain via one-pot copper-catalyzed azide-alkyne cycloaddition	Meenakshi Verma, Vijay Luxami and Kamaldeep Paul	SCBC	ARKIVOC	2015	1551-7012
Triazine–benzimidazole hybrids: Anticancer activity, DNA interaction and dihydrofolate reductase inhibitors	Prinka Singla, Vijay Luxami, Kamaldeep Paul	SCBC	Bioorganic & Medicinal Chemistry	2015	0960-894X
Lithium zirconate as solid catalyst for simultaneous esterification and transesterification of low quality triglycerides,	Navjot Kaur and Amjad Ali,	SCBC	Applied catalysis A:General	2015	0926-860X
Direct synthesis of fatty acid alkanolamides and fatty acid alkyl esters from high free fatty acid containing triglycerides as lubricity improvers using heterogeneous catalyst	Dinesh Kumar, and Amjad Ali	SCBC	Fuel	2015	0016-2361
One step synthesis of fatty acid diethanolamides and methyl esters from triglycerides using sodium doped calcium hydroxide as a nanocrystalline heterogeneous catalyst	Dinesh Kumar, Soo Min Kim and Amjad Ali	SCBC	New J. Chem.	2015	1369-9261
Identification of hub apourns and their nsSNP analysis from mouse RNA-Seq data	Ahmad Firoz, Adeel Malik, Sanjay Kumar Singh, Vivekanand Jha, and Amjad Ali	SCBC	Gene	2015	0378-1119
Nanocrystalline potassium impregnated SiO ₂ as heterogeneous catalysts for the transesterification of karanja and jatrophia oil	Vishal Mutrej, Satnam Singh, Tajbir Kaur Minhas and Amjad Ali	SCBC	RSC Advances	2015	2046-2069
One-Pot Lipase Entrapment Within Silica Particles to Prepare a Stable and Reusable Biocatalyst for Transesterification	Madhu Katiyar and Amjad Ali	SCBC	J. Am. Oil Chem. Soc.	2015	1558-9331
An Efficient and Reusable Li/NiO Heterogeneous Catalyst for Ethanolysis of Waste Cottonseed oil	Mandeep Kaur and Amjad Ali	SCBC	Eur. J. Lipid Sci. Technol.	2015	1438-9312
Preparation and application of Ce/ZrO ₂ –TiO ₂ /SO ₄ ²⁻ as solid catalyst for the esterification of fatty acids	Navjot Kaur and Amjad Ali	SCBC	Renew. Energy	2015	0960-1481
Biodiesel production via ethanolysis of jatrophia oil using molybdenum impregnated calcium oxide as solid catalyst	Navjot Kaur and Amjad Ali	SCBC	RSC Advances	2015	2046-2069

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Desalination of Cd ²⁺ and Pb ²⁺ from paint industrial wastewater by Aspergillus niger decomposed Citrus limetta peel powder	Joginder Singh, Vinit Prakash and <u>Amjad Ali</u>	SCBC	International Journal of Environmental Science and Technology	2015	1735-2630
Diphenylether based derivatives as Fe (III) chemosensors: Spectrofluorimetry, Electrochemical and Theoretical studies	Rashmi Sharma, Manmohan Chhibber, Susheel K Mittal	SCBC	RSC Advances	2015	2046-2069
Enantioselective total synthesis of (+)-serinolamide A	Suraksha Gahalawat and Satyendra Kumar Pandey	SCBC	RSC Adv.	2015	2046-2069
Total Synthesis of (+)-Petromyroxol, a Marine Natural Product.	Suraksha Gahalawat, Yuvraj Garg and Satyendra Kumar Pandey*	SCBC	Asian J. Org. Chem.	2015	2193-5815
Voltammetric Sensor for Fluoride Ions Using Diphenylether Derivatives Supported by NMR and Theoretical Studies	Rashmi Sharma, Susheel K Mittal, and Manmohan Chhibber	SCBC	J. Electrochem. Soc.	2015	1945-7111
A Novel Zinc Oxide-Zirconium(IV) Phosphate Nanocomposite as Antibacterial Material with Enhanced Ion Exchange Properties, Separation and Purification Technology.	Pritpal Singh, Sandeep Kaushal, Pushpender K Sharma, Susheel K Mittal	SCBC	Colloids and Interface Science Communications	2015	0021-9797
Photodegradation of imidacloprid insecticide by ag-deposited titanate nanotubes: A study of intermediates and their reaction pathways	Grover, I.S., Singh, S., Pal, B.	SCBC	Journal of Agricultural and Food Chemistry,	2014	0021-8561
Influence of coinage and platinum group metal co-catalysis for the photocatalytic reduction of m-dinitrobenzene by P25 and rutile TiO ₂	Kaur, J., Singh, R., Pal, B.	SCBC	Journal of Molecular Catalysis A: Chemical,	2014	1381-1169
Influence of thermal treatment and Au-loading on the growth of versatile crystal phase composition and photocatalytic activity of sodium titanate nanotubes	Grover, I.S., Singh, S., Pal, B.	SCBC	RSC Advances	2014	2046-2069
Influence of CuO Nanostructures on the Thermal Conductivity of DI Water and Ethylene Glycol Based Nanofluids	Pal, B., Pal, B.	SCBC	Particulate Science and Technology: An International	2014	1548-0046
100% selective yield of m-nitroaniline by rutile TiO ₂ and m-phenylenediamine by P25-TiO ₂ during m-dinitrobenzene photoreduction	Kaur, J., Pal, B.	SCBC	Catalysis Communications	2014	1566-7367
Superior photoactivity and stability of movable CdS (core)-CdO (shell) nanostructures formed in tubular SiO ₂ by laser etching of SiO ₂ @CdS nanorod	Gupta, N., Pal, B.	SCBC	Chemical Engineering Journal	2014	1385-8947
Co-catalytic and electro-kinetic properties of Au nanostructures dispersed in solvents of varying dipole moments	Kaur, R., Pal, B.	SCBC	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2014	0927-7757

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Sensitivity of the Multiple Functional Moieties of Amino Acids for the Self-Assembly of Au Nanoparticles on Different Physicochemical Properties	Monga, A., Pal, B.	SCBC	Journal of Cluster Science	2014	1572-8862
Improved surface properties and catalytic activity of anisotropic shapes of photoetched Au nanostructures formed by variable energy laser exposure	Kaur, R., Pal, B.	SCBC	Journal of Molecular Catalysis A: Chemical	2014	1381-1169
Cu nanostructures of various shapes and sizes as superior catalysts for nitro-aromatic reduction and co-catalyst for Cu/TiO ₂ photocatalysis	Kaur, R., Pal, B.	SCBC	Applied Catalysis A: General,	2014	0926-860X
Core-shell structure of metal loaded CdS-SiO ₂ hybrid nanocomposites for complete photomineralization of methyl orange by visible light	Gupta, N., Pal, B.	SCBC	Journal of Molecular Catalysis A: Chemical	2014	1381-1169
Facile Synthesis of Anisotropic Au Nanostructures by Laser Irradiation and Study of Their Optical and Electrokinetic Properties	Pal, B., Kaur, R.	SCBC	Particulate Science and Technology,	2014	1548-0046
Influence of Au Photodeposition and Doping in CdS Nanorods: Optical and Photocatalytic Study	Singh, R., Pal, B.	SCBC	Particulate Science and Technology,	2014	1548-0046
Sodium impregnated zinc oxide as a solid catalyst for biodiesel preparation from a variety of triglycerides	Ali, A., Khullar, P., Kumar, D.	SCBC	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2014	1556-7036
Potassium ion impregnated calcium oxide as a Nanocrystalline solid catalyst for Biodiesel production from waste cotton seed oil	Kumar, D., Ali, A.	SCBC	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2014	1556-7036
Ethanolysis of waste cottonseed oil over lithium impregnated calcium oxide: Kinetics and reusability studies	Kaur, M., Ali, A.	SCBC	Renewable Energy	2014	0960-1481
Kinetics and reusability of Zr/CaO as heterogeneous catalyst for the ethanolysis and methanolysis of Jatropha curcas oil	Kaur, N., Ali, A.	SCBC	Fuel Processing Technology	2014	0378-3820
Potassium impregnated nanocrystalline mixed oxides of La and Mg as heterogeneous catalysts for transesterification	Mutreja, V., Singh, S., Ali, A.	SCBC	Renewable Energy	2014	0960-1481
Lithium zirconate as solid catalyst for simultaneous esterification and transesterification of low quality triglycerides	Kaur, N., Ali, A.	SCBC	Applied Catalysis A: General	2014	0926-860X

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Potassium fluoride impregnated CaO/NiO: An efficient heterogeneous catalyst for transesterification of waste cottonseed oil	Kaur, M., Ali, A.	SCBC	European Journal of Lipid Science and Technology	2014	1438-9312
Removal of lead (II) from synthetic and batteries wastewater using agricultural residues in batch/column mode	Singh, J., Ali, A., Prakash, V.	SCBC	International Journal of Environmental Science and Technology	2014	1735-2630
Voltammetry of nanoparticle-coupled imine linkage-based receptors for sensing of Al(III) and Co(II) ions	Mittal, S.K., Sharma, R., Sharma, M., Singh, N., Singh, J., Kaur, N., Chhibber, M.	SCBC	Journal of Applied Electrochemistry	2014	1572-8838
Palladium catalyzed novel monoarylation and symmetrical/unsymmetrical diarylation of imidazo[1,2 a]pyrazines and their in vitro anticancer activities	Richa Goel, Vijay Luxami and Kamaldeep Paul,	SCBC	RSC Adv.	2014	2046-2069
Synthesis and in vitro antitumor evaluation of primary amine substituted quinazoline linked benzimidazole	Kamaldeep Paul, Alka Sharma, Vijay Luxami,	SCBC	Bioorg. Med. Chem.Lett.	2014	0960-894X
Factor defining the effects of glycine betaine on the thermodynamic stability and internal dynamics of horse cytochrome c	Rishu Jain, Deepak Sharma, Sandeep Kumar, Rajesh Kumar.	SCBC	Biochemistry (ACS).	2014	006-2960
Electrostatic effects controls the stability and iron release kinetics of ovotransferrin	Sandeep Kumar, Deepak Sharma, Rajesh Kumar, Rajesh Kumar.	SCBC	J. Biol. Inorg. Chem.	2014	1432-1327
Effect of urea and alkylureas on the stability and structural fluctuation of the M80-containing β -loop of horse cytochrome c", mvt059 341-354	Sandeep Kumar, Deepak Sharma, Rajesh Kumar.	SCBC	Biochimica et Biophysica Acta,	2014	0304-4165
Immobilization of N',N'',N''' tris(2-pyridyloxymethyl) ethane as a neutral carrier in a PVC-membrane medium for lead(II) ion-selective electrodes,	Pawan Kumar, Ashok Kumar SK, Susheel K Mittal,	SCBC	J. Chem. Sci. (Springer)	2014	0973-7103
Polymer-Based Biocompatible Fluorescent Sensor for Nano-molar Detection of Zn ²⁺ in Aqueous Medium and Biological Samples	KamalpreetKaur, ManjotKaur, AmanpreetKaur, JasminderSingh, NarinderSingh, Susheel K. Mittal, NavneetKaur	SCBC	Inorg. Chem. Front.(RSC)	2014	2052-1553
Electrochemical Studies on Zirconium Phosphoborate Based Heterogeneous Membranes	SandeepKaushal, Pritpal Singh and Susheel K Mittal	SCBC	J. Electrochem. Sci. Eng.	2014	1452-3981
A Yttrium(III) selective electrode based on zirconium(IV) phosphoborates	SandeepKaushal, Pritpal Singh and Susheel K Mittal,	SCBC	Journal of New Materials for Electrochemical Systems	2014	2292-1168
A new assembly for biosensing ultra-trace levels of mercury in a continuous flow system	Jasminder Singh and Susheel K. Mittal	SCBC	Anal. Methods	2014	1759-9679

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Voltammetry of nanoparticle coupled imine linkage based receptors for sensing of Al(III) and Co(II) ions,	Susheel K Mittal, Rashmi Sharma, Manisha Sharma, Narinder Singh, Jasminder Singh, Navneet Kaur and Manmohan Chhibber,	SCBC	J Applied Electrochemistry (Springer),	2014	1572-8838
Improved response in 1,4 Dioxane as Co-solvent During Selective Determination of Cerium (III) in Binary Mixtures by	Komal Matharu, Ashok	SCBC	Current Analytical Chemistry	2014	1573-4110
	Kumar SK, and Susheel K Mittal	SCBC			
N, N, N-tris(2-pyridyloxymethyl) ethane as ionophore in potentiometric sensor for Pb(II) ions	PawanKumar, AshokKumarSK, Sush eelKMittal	SCBC	Journal of Chemical Sciences	2014	0973-7103
Vapor phase oxidation of benzyl alcohol over gold nanoparticles supported on mesoporous TiO ₂	Ashish Kumar, V. Pavan Kumar, B. Putra Kumar, V. Vishwanathan and K.V.R. Chary	SCBC	Catalysis Letters	2014	1572-879X
Synthesis, characterization and reactivity of Au/MCM-41 catalysts prepared by homogeneous deposition-precipitation (HDP) method for apour phase oxidation of benzyl alcohol	Ashish Kumar, V. Pavan Kumar, V. Vishwanathan and K.V.R. Chary	SCBC	Materials Research Bulletin	2014	0025-5408
Co-catalysis effect of different morphological facets of as prepared Ag nanostructures for the photocatalytic oxidation reaction by Ag-TiO ₂ aqueous slurry	Kaur, R., Pal, B.	SCBC	Materials Chemistry and Physics	2013	0254-0584
Fabrication of hollow SiO ₂ and Au (core)-SiO ₂ (shell) nanostructures of different shapes by CdS template dissolution	Gupta, N., Badhwar, N., Pal, B.	SCBC	Journal of Sol-Gel Science and Technology,	2013	1573-4846
Highly porous ZnS microspheres for superior photoactivity after Au and Pt deposition and thermal treatment	Singla, S., Pal, B.	SCBC	Materials Research Bulletin,	2013	0025-5408
Superior photoluminescence and photocatalytic activity of CdS (core)-SiO ₂ (shell) nanostructures obtained by CdS photoetching and Au deposition	Gupta, N., Pal, B.	SCBC	Journal of Nanoscience and Nanotechnology	2013	1533-4899
Selective photo-reduction of p-nitrophenol to p-aminophenol by au deposited CdS nanostructures of different shapes having large surface area	Gupta, N., Pal, B.	SCBC	Journal of Nanoscience and Nanotechnology,	2013	1533-4899
The preparation, surface structure, zeta potential, surface charge density and photocatalytic activity of TiO ₂ nanostructures of different shapes	Grover, I.S., Singh, S., Pal, B.	SCBC	Applied Surface Science	2013	0169-4332
Highly enhanced photocatalytic activity of Au nanorod-CdS nanorod heterocomposites	Singh, R., Pal, B.	SCBC	Journal of Molecular Catalysis A: Chemical	2013	1381-1169
Priority PAHs in orthodox black tea during manufacturing process	Grover, I.S., Singh, S., Pal, B.	SCBC	Environmental Monitoring and Assessment	2013	167-6369

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Polycyclic aromatic hydrocarbons in some grounded coffee brands	Grover, I.S., Sharma, R., Singh, S., Pal, B.	SCBC	Environmental Monitoring and Assessment	2013	167-6369
Photocatalytic degradation of N-heterocyclic aromatics-effects of number and position of nitrogen atoms in the ring	Kaur, J., Pal, B.	SCBC	Environmental Science and Pollution Research	2013	1614-7499
Fine-tuning the photoluminescence and photocatalytic properties of CdS nanorods of varying dimensions	Singh, R., Pal, B.	SCBC	Materials Research Bulletin	2013	0025-5408
Study of excited charge carrier's lifetime for the observed photoluminescence and photocatalytic activity of CdS nanostructures of different shapes	Singh, R., Pal, B.	SCBC	Journal of Molecular Catalysis A: Chemical	2013	1381-1169
Photocatalytic activity of transition metal and metal ions impregnated TiO ₂ nanostructures for iodide oxidation to iodine formation	Gupta, N., Pal, B.	SCBC	Journal of Molecular Catalysis A: Chemical	2013	1381-1169
Enhanced photocatalytic activity of coinage metal-cadmium sulfide nanorod composites under sun light irradiation	Singh, R., Pal, B.	SCBC	Advanced Materials Research	2013	662-8958
Metal ion-TiO ₂ nanocomposites for the selective photooxidation of benzene to phenol and cycloalkanol to cycloalkanone	Gupta, N., Bansal, P., Pal, B.	SCBC	Journal of Experimental Nanoscience	2013	1745-8099
Application of Acacia karroo charcoal for desalinating Ni(II) and Zn(II) from aqueous solutions through batch mode	Singh, J., Sharma, R., Ali, A.	SCBC	Journal of Water Reuse and Desalination	2013	22201319
Transesterification of low-quality triglycerides over a Zn/CaO heterogeneous catalyst: Kinetics and reusability studies	Kumar, D., Ali, A.	SCBC	Energy and Fuels	2013	0887-0624
Removal of Ni ²⁺ , Cu ²⁺ and Zn ²⁺ using different agricultural residues: Kinetics, isotherm modeling and mechanism via chemical blocking	Singh, J., Ali, A., Kumar, R.	SCBC	Asian Journal of Chemistry	2013	0970-9077
Lithium ions-supported magnesium oxide as nano-sized solid catalyst for biodiesel preparation from mutton fat	Kaur, N., Ali, A.	SCBC	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2013	1556-7036
Effect of metal ions on the hydrolytic and transesterification activities of Candida rugosa Lipase	Katiyar, M., Ali, A.	SCBC	Journal of Oleo Science	2013	1347-3352
Selenium bioaccessibility and speciation in biofortified Pleurotus mushrooms grown on selenium-rich agricultural residues	Bhatia, P., Aureli, F., D'Amato, M., Prakash, R., Cameotra, S.S., Nagaraja, T.P., Cubadda, F.	SCBC	Food Chemistry	2013	0308-8146
New proton nuclear magnetic resonance-based derivation for quantification of alkyl esters generated using biocatalysis	Sharma, A., Verma, A., Luxami, V., Melo, J.S., D'Souza, S.F., Prakash, N.T., Prakash, R.	SCBC	Energy and Fuels	2013	0887-0624

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Selenium uptake by edible oyster mushrooms (<i>Pleurotus</i> sp.) from selenium-hyperaccumulated wheat straw	Bhatia, P., Prakash, R., Prakash, N.T.	SCBC	Journal of Nutritional Science and Vitaminology	2013	1881-7742
Synthesis, in vitro evaluation and molecular apourn of naphthalimide analogue as anticancer agents.	Meenakshi Verma, Vijay Luxami, Kamaldeep Paul.	SCBC	Eur. J. Med. Chem.	2013	0223-5234
A dual-responsive chromo-fluorescent probe for detection of Zn ²⁺ and Fe ³⁺ via two different approaches	Vijay Luxami, Renukamal, Kamaldeep Paul and Subodh Kumar	SCBC	RSC Adv.	2013	2046-2069
Synthesis, single crystal and antitumor activities of benzimidazole-quinazoline hybrids	Alka Sharma, Vijay Luxami and Kamaldeep Paul,	SCBC	Bioorganic and Med. Chem. Lett.	2013	0968-0896
Pyrophosphate selective fluorescent probe and molecular flip flop.	Vijay Luxami*, Kamaldeep Paul and In Howa Jeong	SCBC	Dalton Trans.	2013	1477-9226
Synthesis of new conjugated coumarin-benzimidazole hybrids and their anticancer activity.	Kamaldeep Paul, Shweta Bindal and Vijay Luxami,	SCBC	Bioorganic & Med. Chem. Lett	2013	0968-0896
Guanidine hydrochloride-induced alkali-molten globule model of horse ferrocycytochrome c	Rishu Jain, Sandeep Kaur, Rajesh Kumar.	SCBC	Journal of Biochemistry	2013	
		SCBC			1756-9251
		SCBC			
		SCBC			
Effects of Alcohols on the Stability and Low-Frequency Local Motions that Control the Slow Changes in Structural Dynamics of Ferrocycytochrome c	Rishu Jain, Deepak Sharma, Rajesh Kumar	SCBC	Journal of Biochemistry	2013	1756-9251
Viscosity-Dependent Structural Fluctuation of the M80-Containing O-Loop of Horse Ferrocycytochrome c	Rajesh Kumar. Rishu Jain, Rajesh Kumar.	SCBC	Chemical Physics	2013	0301-0104
Calculating ESR Parameters (H ⁺ & ΔE _h F) Of 4d And 5d transition metal ion complexes: A DFT Study	Harminder Singh, A.K. Bhardwaj, M.L. Sehgal and Susheel K Mittal		International Journal of Current Research and Review,5(5)	2013	0975-5241
Disposable Screen Printed Electrode for Mercury Ions	Karamjeet Kaur, Susheel K Mittal, Ashok Kumar SK, Ashwani Kumar, Subodh Kumar, Jonathan P. Metters and Craig E Banks		Int. J. Electrochem. Sci., 8	2013	1452-3981
Viologen Substituted Anthrone Derivatives for Selective Detection of Cyanide Ions Using Voltammetry	Karamjeet Kaur, Susheel K Mittal, Ashok Kumar SK, Ashwani Kumar and Subodh Kumar		Anal. Methods	2013	1759-9679
Y(Otf) ₃ catalyzed substitution dependent oxidative C(sp ³)-C(sp ³) cleavage and regioselective dehydration of 7β-allyl-β-hydroxydithioesters: alternate route to α,β-unsaturated ketones and functionalized dienes.	S. Chowdhury, T. Chanda, G. C. Nandi, S. Koley, B. Janaki Ramulu, S. K. Pandey, M. S. Singh		Tetrahedron	2013	0040-4020
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A New ^1H NMR based derivation for quantification of alkyl esters generated using biocatalysis	Sharma A, Verma A, Luxami V, Melo JS, D'Souza SFD, Tejo Prakash N, Prakash R.	SEE	Energy and Fuels	2013	0887-0624
Absorption of chromium and nickel from aqueous solution by bacteria isolated from electroplating unit effluent	Rajor A., Kunal	SEE	Indian Journal of Environmental Protection	2013	2537141
Biological treatment of alkaline cement kiln dust by using alkalitolerant bacteria	Kunal, Anita Rajor, Rafat Siddique	SEE	Journal of Pure and Applied Microbiology	2013	0973-7510
Degradation of Reactive Black 5 along with Dilution of RO Reject Water using Photocatalysis	Anoop Verma, Arpita Debnath and Gurpreet Singh	SEE	Research Journal of Chemistry and Environment	2013	0972-0626
Influence of Fungus on Properties of Concrete Made With Waste Foundry Sand	Gurdeep Kaur, Rafat Siddique, Anita Rajor	SEE	Journal of Materials in Civil Engineering (ASCE)	2013	0899-1561
Micro- Structural and Metal Leachate Analysis of Concrete Made With Fungal Treated Waste Foundry Sand	Kaur, G., Siddique, R., Rajor, A	SEE	Construction and Building Materials	2013	0950-0618
Multivariate analysis for assessing the quality of stormwater from different Urban surfaces of the Patiala city, Punjab (India)	Arora A.S., Reddy A.S.	SEE	Urban Water Journal	2013	1573-062X
Photocatalytic treatment of pharmaceutical industry wastewater over TiO_2 using immersion well reactor: synergistic effect coupling with ultrasound	Anoop Verma, Isha and Divya Dixit	SEE	Desalination and water treatment	2013	1944-3994
Photocatalytic, sonolytic and sonophotocatalytic degradation of 4-chloro-2-nitro phenol	Anoop Verma, Harmanpreet Kaur, Divya Dixit	SEE	Archives of Environ. Protection	2013	2083-4810
Potential of spent substrate of Pleurotus sajor-caju for Methyl violet 2B decolorization	Singh,R; Ahlawat, OP; Rajor, A	SEE	Journal of Pure and Applied Microbiology.	2013	0973-7510
Selenium uptake by edible oyster mushrooms (Pleurotus sp.) from selenium-hyperaccumulated agricultural residues	Bhatia P, Prakash R, Tejo Prakash N	SEE	Journal of Nutritional Science and Vitaminology	2013	0301-4800
Titanium dioxide mediated photocatalytic degradation of malathion in aqueous phase	Anoop Verma, Monika Sheorn and Amrit Pal Toor	SEE	Indian Journal of Chemical Technology	2013	0971-457X
Transesterification of triglycerides by dried biomass of Aspergillus sp	Aulakh SS, Tejo Prakash N, Prakash R	SEE	Journal of Oleo Science	2013	1347-3352
An efficient TiO_2 coated immobilization system for degradation studies of herbicide isoproturon: Durability studies	Verma A, Tejo Prakash N, Toor AP	SEE	Chemosphere	2014	0045-6535
Applicability of microbial xylanases in paper pulp bleaching: A Review	Gangwar AK, Tejo Prakash N, Ranjana Prakash	SEE	BioResources	2014	1930-2126
Atmospheric Fine and Coarse Mode Aerosols at Different Environments of India and the Bay of Bengal during Winter-2014: Implication of a Coordinated Campaign	Amit Dhir et al.	SEE	MAPAN-Journal of Metrology Society of India	2014	0970-3950

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Biosequestration of lead using Bacillus strains isolated from seleniferous soils and sediments of Punjab	Gupta S, Goyal R, Tejo Prakash N	SEE	Environmental Science and Pollution Research	2014	1614-7499
Degradation of Imidacloprid in liquid by Enterobacter sp. strain ATA1 using co-metabolism	Teena Sharma, Anita Rajor, Amrit Pal Toor	SEE	Bioremediation Journal	2014	1088-9868
Development of multiple linear regression models for predicting the stormwater quality of urban sub-watersheds	Arora A.S., Reddy A.S.	SEE	Bulletin of Environmental Contamination and Toxicology	2014	0007-4861
Enhanced antioxidant properties as a function of selenium uptake by edible mushrooms cultivated on selenium-accumulated waste post-harvest wheat and paddy residues	Bhatia P., Prakash R., Prakash N.T.	SEE	International Journal of Recycling of Organic Waste in Agriculture	2014	2251-7715
Photocatalytic Degradation of Herbicide Isoproturon in TiO ₂ Aqueous Suspensions: Study of Reaction Intermediates and Degradation Pathway	Verma A, Tejo Prakash N, Toor AP	SEE	Environmental Progress and Sustainable Energy	2014	1944-7450
Potential of Enterobacter sp. strain ATA1 on imidacloprid degradation in soil microcosm: Effects of various parameters	Teena Sharma, Anita Rajor, Amrit Pal Toor	SEE	Environmental Progress and Sustainable Energy	2014	1944-7450
Selenium uptake and associated anti-oxidant properties in Pleurotus fossulatus cultivated on wheat straw from seleniferous fields	Bhatia P, Bansal C, Prakash R, Tejo Prakash N	SEE	Acta Alimentaria	2014	0139-3006
Sequential photocatalytic and sono-photocatalytic degradation studies of Reactive Black 5 (RB5),	Anoop Verma, Amarpreet Kaur Hura and Divya Dixit	SEE	Desalination and water treatment	2014	1944-3994
Sonophotocatalytic Treatment of Alizarin Reactive Red Dye	Anoop Verma, Partibha, Divya Dixit	SEE	Arabian Journal for Science and Engineering	2014	1319-8025
Amenability of Acacia and Eucalyptus hardwood pulps in elemental chlorine-free bleaching: Application and efficacy of microbial xylanase	Gangwar AK, Tejo Prakash N, Prakash R	SEE	BioResources	2015	1930-2126
Conceptualizing a decentralized stormwater treatment system for an urbanized city with improper stormwater drainage facilities	Arora A.S., Reddy A.S.	SEE	International Journal of Environmental Science and Technology	2015	1735-2630
Ecological water quality index development and evaluation of water quality of the Satluj river	Sharma S., Reddy A.S., Dalwani R.R.	SEE	Indian Journal of Environmental Protection	2015	0253 – 7141
Experimental investigation of performance and emissions characteristics of waste cooking oil biodiesel and n-butanol blends in a compression ignition engine	Jindal M., Rosha P., Mahla S.K., Dhir A.	SEE	RSC Advances	2015	2046-2069

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Heterogeneous Photocatalytic Degradation of 2-Chloro-4-Nitrophenol using Slurry and Fixed Bed Reactor	Anoop Verma, Divya Dixit, Amrit Toor and Jayant Srivastava	SEE	Environmental progress and sustainable energy,	2015	1944-7450
Heterogeneous solar photo-Fenton degradation of herbicide Isoproturon using foundry sand and fly ash as iron source: Value addition to waste	Himadri Rajput, Anoop Verma, Manpreet Kaur, Taranpreet Kaur, Amrit Pal Toor	SEE	Journal of Environmental Engineering and Landscape Management	2015	1648-6897
Photocatalytic degradation of imidacloprid in soil: Application of response surface methodology for optimization of parameters	Teena Sharma, Amrit Pal Toor, Anita Rajor	SEE	RSC Advances	2015	2046-2069
Potential use of foundry sand as heterogeneous catalyst in solar photo-Fenton degradation of herbicide Isoproturon	Anoop Verma, Manpreet Kaur, Himadri Rajput	SEE	International Journal of Environmental research	2015	1735-6865
Selenium in storage proteins of wheat cultivated on selenium impacted soils of Punjab, India	Jaiswal SK, Prakash R, Tejo Prakash N	SEE	Acta Alimentaria	2015	0139-3006
Textile dyebath wastewater decolorization by electrolytic processes: response surface optimization using IV-optimal design	Singh H., Singh G., Bhatti M.S., Reddy A.S.	SEE	Desalination and Water Treatment	2015	1944-3994
An eco-friendly approach: Incorporating a xylanase stage at various places in ECF and chlorine-based bleaching of Eucalyptus pulp	Gangwar, AK, Tejo Prakash N, Prakash, R	SEE	BioResources	2016	1930-2126
Assessment of solar photocatalytic degradation and mineralization of Amoxicillin Trihydrate (AMT) using slurry and fixed-bed batch reactor: Efficacy of parabolic trough collector	Divya Dixit, Anoop Verma, Palak Bansal, Saurabh Gupta	SEE	RSC advances	2016	ISSN 2046-2069
Bacterial Treatment of Alkaline Cement Kiln Dust by using Bacillus halodurans strain KG1	Kunal, Anita Rajor, Rafat Siddique	SEE	Brazilian Journal of Microbiology	2016	1517-8382
Enhanced photocatalytic degradation of ofloxacin by co-doped titanium dioxide under solar irradiation	Bhatia V., Ray A.K., Dhir A.	SEE	Separation and Purification Technology	2016	1383-5866
Heterogeneous photo-Fenton and photocatalytic degradation studies of 2Cl4NP using foundry sand and TiO ₂ coated cement/clay beads	Kashish Aggarwal, Anoop Verma, Palak Bansal, Amanjit Singh	SEE	Brazilian Journal of Chemical Engineering	2016	0104-6632
Improved degradation of methyl orange dye using bio co-catalyst Se nanoparticles impregnated ZnS photocatalyst under UV radiation	Ahluwalia S, Tejo Prakash N, Prakash R, Pal B	SEE	Chemical Engineering Journal	2016	1385-8947

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Influence of bacteria on compressive strength and permeation properties of concrete made with cement baghouse filter dust	Rafat Siddique, Vasu Nanda, Kunal, El-Hadj Kadri, M Iqbal Khan, Malkit Singh, Anita Rajor	SEE	Construction and Building Materials	2016	0950-0618
Influence of bacterial treated cement kiln dust on strength and permeability of concrete	Kunal, Rafat Siddique, Anita Rajor, Malkit Singh	SEE	Journal of Materials in Civil Engineering	2016	0899-1561
Investigations on the degradation of an antibiotic Cephalexin using suspended and supported TiO ₂ : Mineralization and Durability studies	Palak Bansal, Anoop Verma, Kashish Aggarwal, Amanjit Singh, Saurabh Gupta	SEE	The Canadian Journal of Chemical Engineering	2016	1939-019X
Quantification and in-vitro bioaccessibility of selenium from Osborne fractions of Se rich cereal grains	Dhanjal NI, Sharma S, Tejo Prakash N	SEE	Cereal Chemistry	2016	1943-3638
Questioning conventional wisdom regarding the most suitable sequence of enzyme usage in pulp bleaching	Gangwar A.K., Prakash N.T., Prakash R.	SEE	BioResources	2016	1930-2126
RSM and ANN-GA experimental design optimization for electrocoagulation removal of chromium	Bhatti M.S., Thukral A.K., Reddy A.S., Kalra R.K.	SEE	Trends in Asian Water Environmental Science and Technology	2016	9729860
Solar Light Induced Photocatalytic Degradation of Aspirin Using Doped TiO ₂ Nanoparticles	Vibhu Bhatia, Amit Dhir, and Sushil Kumar Kansal	SEE	Nanoscience and Nanotechnology	2016	1533-4880
Spatial variability in ambient atmospheric fine and coarse mode aerosols over Indo-Gangetic plains, India and adjoining oceans during the onset of summer monsoons, 2014	Sen A., Ahammed Y.N., Banerjee T., Chatterjee A., Choudhuri A.K., Das T., Chandara Deb N., Dhir A., Goel S., Khan A.H., Mandal T.K., Murari V., Pal S., Rao P.S., Saxena M., Sharma S.K., Sharma A., Vachaspati C.V.	SEE	Atmospheric Pollution Research	2016	1309-1042
Studies on the use of calcium hypochlorite in the TiO ₂ mediated degradation of pharmaceutical wastewater	Amit Dhir, Manmohan Kamboj, and Chhotu Ram	SEE	Environmental Engineering and Management	2016	1582-9596
Transition metal doped TiO ₂ mediated photocatalytic degradation of anti-inflammatory drug under solar irradiations	Vibhu Bhatia and Amit Dhir	SEE	Environmental Chemical Engineering	2016	2213-3437
Air quality assessment of Mandi Gobindgarh city of Punjab, India, Environment	Abhishek Gupta, Amit Dhir	SEE	Development and Sustainability	2017	1573-2975
Biocatalyzed esterification of oleic acid using cell suspension and dried biomass of <i>Aspergillus</i> sp. RBD01	Aulakh S, Sharma A, Tejo Prakash N, Prakash R	SEE	Biocatalysis and Biotransformation	2017	1024-2422

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Characterization and prediction of stormwater runoff quality in sub-tropical rural catchments	Cheema P.P.S., Reddy A.S., Kaur S.	SEE	Water Resources	2017	1608-344X
Comparative analysis on the effect of Plantago species aqueous extracts on tissue trace element content in rats	Gatiatulina ER, Nemereshina ON, Suliburska J, Tejo Prakash N, Anastasia A. Skalnaya AA, Nikonorov AA, Skalny AV, Tinkov AA	SEE	Biological Trace Element Research	2017	0163-4984
Decolourization of textile dyebath chloride rich wastewater by electrolytic processes	Singh H., Bhatti M.S., Reddy A.S.	SEE	International Journal of Electrochemical Science	2017	1452-3981
Decolourization of Textile Dyes by Ligninolytic Fungi Isolated from Spent Mushroom Substrate	Rajender Singh, OP Ahlawat, Anita Rajor	SEE	Bulletin of Environment, Pharmacology and Life Sciences	2017	2277-1808
Enhanced photocatalytic degradation of atenolol using graphene TiO ₂ composite	Vibhu Bhatia, Ghodsieh Malekshoar, Amit Dhir and Ajay K. Ray	SEE	Photochemistry & Photobiology A: Chemistry	2017	1010-6030
Evaluation of the Process Parameters for Electro Fenton and Electro Chlorination treatment of Reactive Black 5 (RB5) dye	Amanjit Singh, Anoop Verma, Palak Bansal Jayishnu	SEE	Journal of The Electrochemical Society	2017	0013-4651
Fungus mediated generation of ethyl ester using acid oil as substrate	Sharma A, Tejo Prakash N, Prakash R	SEE	Environmental Progress and Sustainable Energy	2017	1944-7450
Influence of gaseous fuel induction on the various engine characteristics of a dual fuel compression ignition engine: A review	Pali Roshia, Amit Dhir, Saroj Kumar Mohapatra	SEE	Renewable and Sustainable Energy Reviews	2017	1364-0321
Natural Soil mediated photo Fenton-like processes in treatment of pharmaceuticals: batch and continuous approach	Rahil Changora, Himadri Rajput and Amit Dhir	SEE	Chemosphere	2017	0045-6535
Novel Fe-TiO ₂ composite driven dual effect for reduction in treatment time of pentoxifylline: slurry to immobilized approach	Palak Bansal, Anoop Verma	SEE	Materials & Design	2017	0264-1275
Performance and Evaluation of Electro-oxidation treatment of Human Urine metabolite Uric Acid using Response Surface Methodology	Jayishnu Singla, Anoop Verma, Vikas Sangal	SEE	Journal of The Electrochemical Society	2017	0013-4651
Selenium supplementation through Se-rich dietary matrices can upregulate the anti-inflammatory responses in lipopolysaccharide-stimulated murine macrophages	Dhanjal NI, Sharma S, Prabhu KS, Tejo Prakash N	SEE	Food and Agricultural Immunology	2017	0954-0105
Stability and durability studies of TiO ₂ coated immobilized system for the degradation of imidacloprid	Kumar A, Toor AP, Tejo Prakash N, Bansal P, Sangal VK	SEE	New Journal of Chemistry	2017	1144-0546

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Synergistic effect of dual process (photocatalysis and photo-Fenton) for the degradation of Cephalexin using TiO ₂ immobilized novel clay beads with waste fly ash/foundry sand	Palak Bansal, Anoop Verma	SEE	Journal of Photochemistry & Photobiology, A: Chemistry	2017	1010-6030
Variations in particulate matter over Indo-Gangetic Plains and Indo-Himalayan Range during four field campaigns in winter monsoon and summer monsoon: Role of pollution pathways	Sen A., Abdelmaksoud A.S., Nazeer Ahammed Y., Alghamdi M., Banerjee T., Bhat M.A., Chatterjee A., Choudhuri A.K., Das T., Dhir A., Dhyani P.P., Gadi R., Ghosh S., Kumar K., Khan A.H., Khoder M., Maharaj Kumari K., Kuniyal J.C., Kumar M., Lakhani A., Mahapatra P.S., Naja M., Pal D., Pal S., Rafiq M., Romschoo S.A., Rashid I., Saikia P., Shenoy D.M., Sridhar V., Verma N., Vyas B.M., Saxena M., Sharma A., Sharma S.K., Mandal T.K.	SEE	Atmospheric Environment	2017	1352-2310
An overview of solid base heterogeneous catalysts for biodiesel production,	Akshey Marwaha, Amit Dhir, Sunil Kumar Mahla, Saroj Kumar Mohapatra	SEE	Catalysis Reviews	2018	1520-5703
Assessment of integrated binary process by coupling photocatalysis and photo-Fenton for the removal of Cephalexin from aqueous solution	Palak Bansal, Anoop Verma, Jayishnu Singla, Charu Mehta and Amrit pal Toor	SEE	Journal of Materials Science	2018	ISSN: 1573-4803
Assessment of reaction intermediates of gamma radiation-induced degradation of ofloxacin in aqueous solution.	Rahil Changotra, Jhimli Paul Guin, Lalit Varshney, Amit Dhir.	SEE	Chemosphere	2018	0045-6535
Catalyst-coated cement beads for the degradation and mineralization of fungicide carbendazim using laboratory and pilot-scale reactor: catalyst stability analysis	Singh A., Verma A., Bansal P., Aggarwal K., Kaur T., Toor A.P., Sangal V.K.	SEE	Environmental Technology (United Kingdom)	2018	9593330
Concentrating and non-concentrating slurry and fixed-bed solar reactors for the degradation of herbicide isoproturon	Anoop Verma, Amrit Toor, Tejo Prakash Nagaraja, Palak Bansal, Vikas Sangal and Ajay Kumar	SEE	Journal of Solar Energy Engineering: Including Wind Energy and Building Energy Conservation	2018	0199-6231
Detoxification of real pharmaceutical wastewater by integrating photocatalysis and photo-Fenton in fixed-mode	Palak Bansal, Anoop Verma and Steffi Talwar	SEE	Chemical Engineering Journal	2018	1385-8947
Fly-ash incorporated slurry and fixed-bed approach for heterogeneous solar photo-Fenton degradation of isoproturon	Anoop Verma, Gurpreet Kaur, Palak Bansal, Saurabh Gupta and Vikas Kumar Sangal	SEE	Environmental progress and sustainable energy	2018	1944-7450

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Fuel properties and emission characteristics of biodiesel produced from unused algae grown in India	Rachan Karmakar, Krishnendu Kundu, Anita Rajor	SEE	Petroleum Science	2018	1672-5107
Fuel properties of blend and biodiesel generated from acid oil using whole cell biocatalyst	Sharma A, Melo JS, Tejo Prakash N, Prakash R	SEE	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2018	1556-7036
GO mediated TiO ₂ nanotube electrode for the photoelectrocatalytic degradation of Pentachlorophenol	Himadri Rajput, Amit Dhir, Vikas Kumar Sangal	SEE	Journal of The Electrochemical Society	2018	1945-7111
Imbalance of dietary nutrients and the associated differentially expressed genes and pathways may play important roles in juvenile Kashin-Beck disease	Ning Y, Wang X, Zhang P, Skalny VA, Tejo Prakash N, Li, Zhou R, Lammi M, Zhang F and Guo X	SEE	Journal of Trace Elements in Medicine and Biology	2018	0946-672X
Influence of EGR on the simultaneous reduction of NOx-Smoke opacity trade-off under CNG-Biodiesel dual fuel engine	S.K. Mahla, A. Dhir, K.J.S. Gill, H.M. Cho Hee, C. Lim, B.S. Chauhan	SEE	Energy	2018	0360-5442
In-situ dual effect studies using novel Fe-TiO ₂ composite for the pilot-plant degradation of pentoxifylline	Palak Bansal, Anoop Verma	SEE	Chemical Engineering Journal	2018	1385-8947
Integrating Genome-Wide Association Study Summaries and Element-gene Interaction Datasets Identified Multiple Associations between Elements and Complex Diseases	He A, Wang W, Tejo Prakash N, Tinkov AA, Skalny AV, Wen Y, Hao J, Guo X, Zhang F	SEE	Genetic Epidemiology	2018	0741-0395
Integration of photocatalytic and biological processes for treatment of pharmaceutical effluent	Vibhu Bhatia, Amit Dhir, Ajay K. Ray	SEE	Journal of Photochemistry and Photobiology A: Chemistry	2018	1010-6030
Investigations on environmental emissions characteristics of CI engine fuelled with castor biodiesel blends	Mahla S.K., Dhir A., Singla V., Rosha P.	SEE	Journal of Environmental Biology	2018	0254-8704
Modeling, Optimization and Kinetic Study for Photocatalytic Treatment of Ornidazole Using Slurry and Fixed-Bed Approach	Steffi Talwar, Vikas Kumar Sangal, Anoop Verma, Parminder Kaur, Alok Garg,	SEE	Arabian Journal for Science and Engineering	2018	1319-8025
Optimization of Hydrogen-Enriched Biogas by Dry Oxidative Reforming with Nickel Nanopowder Using Response Surface Methodology	Pali Rosha, Rattanvir Singh, Saroj Kumar Mohapatra, Sunil Kumar Mahla, and Amit Dhir	SEE	Energy & Fuels	2018	1520-5029
Performance of hematite particles as an Iron source for the degradation of ornidazole in photo-fenton process	Changotra R., Varshney L., Paul Guin J., Dhir A.	SEE	Journal of Sol-Gel Science and Technology	2018	1573-4846
Pilot-scale single-step reactor combining photocatalysis and photo-Fenton aiming at faster removal of Cephalexin	Palak Bansal, Anoop Verma	SEE	Journal of Cleaner Production	2018	0959-6526
Production of biodiesel from unused algal biomass in Punjab, India	Rachan Karmakar, Anita Rajor, Krishnendu Kundu, Nitin Kumar	SEE	Petroleum Science	2018	1672-5107

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Properties and characteristics of various materials used as biofuels: A review.	Geetesh Gogga, Bhupendra Singh Chauhan, Sunil Kumar Mahla, Haeng Muk Chod, Amit Dhir, Hee Chang	SEE	Materials Today: Proceedings	2018	2214-7853
Solar light driven photocatalytic degradation of Ofloxacin based on ultra-thin bismuth molybdenum oxide nanosheets	Gupta G., Umar A., Kaur A., Sood S., Dhir A., Kansal S.K.	SEE	Materials Research Bulletin	2018	0025-5408
Studies on biogas-fuelled compression ignition engine under dual fuel mode	S.K. Mahla, A. Dhir	SEE	Environmental Science and Pollution Research	2018	1614-7499
Synergistic effect of selenium and UV-B radiation in enhancing antioxidant level of wheatgrass grown from selenium rich wheat	Jaiswal SK, Prakash R, Skalny AV, Skalnaya MG, Grabeklis AR, Skalnaya AA, Tinkov AA, Zhang F, Guo X, Tejo Prakash N	SEE	Journal of Food Biochemistry	2018	1745-4514
The level of toxic elements in edible crops from seleniferous area (Punjab, India)	Skalnaya M, Jaiswal SK, Prakash R, Tejo Prakash N, Grabeklis AR, Zhegalova IV, Zhang F, Guo X, Tinkov AA, Skalny, AV	SEE	Biological Trace Element Research	2018	0163-4984
SHSS					
Testing weak form of market efficiency of Bombay Stock Exchange and National Stock Exchange	Sharma, Rakesh, K. & Kiran Ravi	School of Humanities and Social Sciences	International Journal of Accounting and Finance, [ABDC :C category]	2017	ISSN online: 1752-8232
Factors Affecting Financial Leveraging for BSE Listed Real Estate Development Companies in India	Rakesh Kumar Sharma	School of Humanities and Social Sciences	Journal of Financial Management of Property and Construction	2018	1366-4387.
Developing Models to Predit the Stock Prices of Indian Automobile Giant Tata Motors Company Limited : An Empirical Analysis	Rakesh Kumar Sharma	School of Humanities and Social Sciences	Finance India	2015	0970 - 3772
Forecasting Gold Price with Box Jenkins Auto regressive Integrated Moving Average Method"	Rakesh Kumar Sharma	School of Humanities and Social Sciences	Journal of International Economics	2016	0976-0792
An Insight to Finance performance Appraisal of Real Estate Sector with special reference to some selected Indian Companies	Rakesh Kumar Sharma	School of Humanities and Social Sciences	Amity Business Journal , Lucknow.	2013	2278-0904
Relationships between Economic Growth and Human Development : An Empirical Study with Special Reference to Haryana	Rakesh Kumar Sharma	School of Humanities and Social Sciences	IPE Journal of Management	2015	2249-9040
Transformation of Identity a Travelling Concept: A Case Study	Shilpi Saxena and Diksha Sharma	School of Humanities and Social Sciences	interventions: International Journal of Postcolonial Studies.	2018	1369-801X
School of Humanities and Social Studies	Diksha Sharma	School of Humanities and Social Sciences	International Journal of Literature and Culture	2017	2360-7831
School of Humanities and Social Studies and Social Studies	Shilpi Saxena and Diksha Sharma	School of Humanities and Social Sciences	The Criterion	2017	0976-8165

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Anthropological and Ethnographic elements in Indian Parallel Films: A study of Homophobia in Indian Society	Deler Singh, Dipali. S. Bhandari, Gurvinder Kaur, Diksha Sharma	School of Humanities and Social Sciences	Trames 21(71/66)	2017	1736-7514
Information and performance optimization: a study of Indian IPOs during 2005-2012	Sheena Chhabra, Ravi Kiran, A.N. Sah, and Vikas Sharma	School of Humanities and Social Sciences	Program	2017	0033-0337
Information asymmetry leads to underpricing: validation through SEM for Indian IPOs	Sheena Chhabra, Ravi Kiran, A.N. Sah	School of Humanities and Social Sciences	Program	2017	0033-0337
Role of Civil Societies for Good Governance: Perspectives and Pragmatics	Sheena Chhabra, Ravi Kiran	School of Humanities and Social Sciences	International Journal of Liberal Arts, Social Sciences and Education	2017	ISSN: 2307-924X
An empirical analysis of total factor productivity in food and beverage sector,	Chhabra, Sheena & Kiran, R.	School of Humanities and Social Sciences	Productivity	2015	e-ISSN: 0976-3902.
An analysis of some key segments of food and beverage sector	Chhabra, Sheena & Kiran, R.	School of Humanities and Social Sciences	Global Journal of Management and Buisness Research	2012	ISSN Print: 0975-5853
Comparative study to determine impact of patent filling on growth of the country	Anupam Sharma and Kartik singla	School of Humanities and Social Sciences	Productivity	2018	0032-9924
“MGNREGA:- An Empirical study of Punjab”	Navneet seth, Rohit Markan and Anupam Sharma	School of Humanities and Social Sciences	<u>Productivity</u>	2017	0032-9924
An Empirical Study on the Implementation of MGNREGS in Malwa districts of Punjab	Navneet seth, Rohit Markan and Anupam Sharma	School of Humanities and Social Sciences	International Journal of Engineering, Technology, Science and Research	2017	2394-3386
A Paradigm Shift of CSR Practices: Philanthropic Donations to Awareness towards E-Waste Management.	Navdeep Singh, Rohit Markan and Anupam Sharma	School of Humanities and Social Sciences	International Journal of Applied Sciences, Engineering and Technology (IJAET)	2017	ISSN, 20407459, 20407467
Evolution of Corporate Social Responsibility Practices	Anupam Sharma	School of Humanities and Social Sciences	International Journal of Liberal Arts, Social Sciences and Education (IJLASE)	2017	ISSN: 2307-924X
Key drivers endorsing CSR: a transition from economic to holistic approach	Anupam Sharma	School of Humanities and Social Sciences	Asian Journal of Business Ethics	2016	ISSN: 2210-6723 (Print)
CSR: Shift towards Philanthropic to Realistic Approach	Anupam Sharma	School of Humanities and Social Sciences	Productivity	2015	0032-9924
Corporate social responsibility driving forces and challenges	Anupam Sharma and Ravi Kiran	School of Humanities and Social Sciences	International Journal of Business Research and Development	2013	ISSN 1929-0977
Knowledge Management: Role of Thought leaders and Junior Academia in Enhancing Research and Curriculum in Institutions of Higher Technical Education	Kiran, Ravi, Aggarwal, Parul, D. ,Verma, Anil K.	School of Humanities and Social Sciences	Sage Open	2013	ISSN: 2309-8414 (online); ISSN: 1991-8178 (print)
Stakeholders' preferences for land assembly: Development with rural urban synergy	Kalsi Namrita & Kiran Ravi	School of Humanities and Social Sciences	Indian Journal of Agricultural Sciences	2015	Print ISSN : ISSN: 0019-5022

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Identification of key factors for enhancing competitiveness: an exploratory study of the selected agri-biotech firms of Punjab in India	Singh, Sandeep Kiran Ravi & Goyal, D.	School of Humanities and Social Sciences	Agricultural Economics (Zemědělská Ekonomika)	2015	ISSN 1808-2882
A strategic framework for good governance through e-governance optimization: A case study of Punjab in India	Kalsi, Nirmaljeet Singh & Ravi Kiran	School of Humanities and Social Sciences	Program: Program: electronic library and information systems	2015	0033-0337
Indian Physician Job Satisfaction Scale: Development and Validation	Mehta, Prashant and Kiran, Ravi	School of Humanities and Social Sciences	Studies on Ethno-Medicine	2014	PRINT: ISSN 0973-5070, ONLINE: ISSN 2456-6772
Studies on land utilization for rural and urban stakeholders A case study	Kalsi, Namrita & Kiran, Ravi	School of Humanities and Social Sciences	Indian Journal of Agricultural Sciences	2015	Print ISSN : ISSN: 0019-5022
Customer satisfaction using website functionality, perceived usability and perceived usefulness towards online shopping in India,	Tandon, U, Kiran, R., & Sah, A.N.	School of Humanities and Social Sciences	Information Development	2015	ISSN, 17416469,
Market share, R & D and determinants of productivity, firm based analysis of agri-biotech sector of Punjab in India	<i>Singh, Sandeep; Kiran Ravi & Goyal, Dinesh</i>	School of Humanities and Social Sciences	Custos e Agronegócio online	2015	ISSN 1808-2882
Stress management through regulation of blood pressure among college students	Anurag, Kiran Ravi, Harish Singla & A.N.Sah	School of Humanities and Social Sciences	Work: A Journal of Prevention, Assessment & Rehabilitation SHARE THIS JOURNAL	2016	ISSN print: 1051-9815; ISSN online 1875-9270
An Empirical Analysis of job Content and Contextual Factors: A case study of Indian Physicians	Mehta, Prashant & Kiran Ravi	School of Humanities and Social Sciences	Studies on Ethno-Medicine, 9(3): 253-365.	2015	PRINT: ISSN 0973-5070, ONLINE: ISSN 2456-6772
Identification of success factors for business incubation in agribusiness for achieving higher productivity.	Bose, S.C. & Kiran, R.	School of Humanities and Social Sciences	Productivity	2014	e-ISSN: 0976-3902.
Understanding online shopping adoption in India: unified theory of acceptance and use of technology 2 (UTAUT2) with perceived risk application,	Tandon, U, Kiran, R., & Sah, A.N.	School of Humanities and Social Sciences	Service Science	2016	ISSN: 2164-3970 Online
Analysing the complexities of website functionality, perceived ease of use and perceived usefulness on customer satisfaction of online shoppers in India accepted in	Tandon, U, Kiran, R., & Sah, A.N.	School of Humanities and Social Sciences	International Journal of Electronic Marketing and Retailing (Journal is ranked by ABDC "C" Category)	2016	ISSN online: 1741-1033. ISSN print: 1741-1025
The influence of website functionality, drivers and perceived risk on customer satisfaction in online shopping: An emerging economy case.	Tandon, U., Kiran, R., & Sah, A.N.	School of Humanities and Social Sciences	Information Systems and e-Business Management.	2017	ISSN: 1617-9854
Customer Satisfaction as a mediator between website service quality and repurchase intention: An emerging economy case.	Tandon, U., Kiran, R., & Sah, A.N.	School of Humanities and Social Sciences	Service Science	2017	ISSN: 2164-3970 Online

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Understanding barriers and drivers to online shopping: an emerging economy case.	Tandon, U., Kiran, R., & Sah, A.N.	School of Humanities and Social Sciences	International Journal of Electronic Business [ABDC-C]	2017	ISSN online: 1741-5063. ISSN print: 1470-6067
Diminution of Impediments in Implementation of Supply Chain Management Information System for Enhancing its Effectiveness in Indian Automobile Industry	Manisha Seth, D.P. Goyal & Ravi Kiran	School of Humanities and Social Sciences	Journal of Global Information Management (JGIM), SSCI & [ABDC-A]	2017	ISSN:1062-7375
Role of human and relational capital of universities as underpinnings of a knowledge economy: A structural modelling perspective from north Indian universities	Niti Chatterji & Ravi Kiran	School of Humanities and Social Sciences	International Journal of Educational Development	2017	ISSN: 0738-0593
Examining the relation of service assistance facilities, managerial skill competencies and constraints with agri-business incubators performance in India	Bose, S.C., Kiran Ravi, Goyal Dinesh	School of Humanities and Social Sciences	Custos e Agronegócio online	2017	ISSN 1808-2882
IPR scenario and factors for promoting IPR culture: a post - TRIPS period analysis of selected pharmaceutical firms in North India	Ravi Kiran	School of Humanities and Social Sciences	Economic research (Ekonomika Istra%ivanja)	2017	ISSN: 1331-677X (Print) 1848-9664 (Online)
Impact of personality traits and personal values on curriculum choice of young adults	Berring, L., Santha Kumari., S. Ahuja,	School of Humanities and Social Sciences	Journal of Beliefs and Values	2017	http://dx.doi.org/10.1080/13617672.2017.1293930
Self-Esteem as Determinant of Investors' Stock Market Participation: Mediating Role of Risk Preferences and Behavioral Biases,	Arora, M. & Santha Kumari	School of Humanities and Social Sciences	<i>Psychologia</i>	2017	Online ISSN : 1347-5916, Print ISSN : 0033-2852
The Role of Parental Math Anxiety and Math Attitude in Their Children's Math Achievement	Soni A, & Santha Kumari	School of Humanities and Social Sciences	International Journal of mathematics Education	2015	DOI 10.1007/s10763-015-9687-5
Risk Taking in Financial Decisions as a Function of Age, Gender: Mediating Role of Loss Aversion and Regret,	Arora, M. & Santha Kumari	School of Humanities and Social Sciences	International Journal of Applied Psychology	2015	p-ISSN: 2168-5010 e-ISSN: 2168-5029
The Role of Parental Math Attitude in Their Children Math Achievement.	Soni, A. & Santha Kumari	School of Humanities and Social Sciences	International Journal of Applied Sociology	2015	p-ISSN: 2169-9704 e-ISSN: 2169-9739
Personal Values, Gender Differences and Academic Preferences: An Experimental Investigation. International Journal of Applied Psychology	Berring, L., Santha Kumari & Ahuja, S	School of Humanities and Social Sciences	International Journal of Applied Psychology 2015, 5(5):	2015	DOI: 10.5923/j.ijap.20150505.04
Copyright violations in Indian cinema: why Barfi! denotes all that's wrong with Bollywood	Apurva Bakshi and Ravi Kiran	School of Humanities and Social Sciences	Queen Mary Journal of Intellectual Property	2014	20459807
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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
A numerical scheme based on weighted average differential quadrature method for the numerical solution of Burgers' equation	Jiwari R., Mittal R.C., Sharma K.K.	School of Mathematics	Applied Mathematics and Computation	2013	0096-3003
Mehar's method for solving fully fuzzy linear programming problems with L-R fuzzy parameters	Kaur J., Kumar A.	School of Mathematics	Applied Mathematical Modelling	2013	0307-904X
Similarity reductions and exact solutions of generalized Bretherton equation with time-dependent coefficients	Gupta R.K., Bansal A.	School of Mathematics	Nonlinear Dynamics	2013	0924-090X
Solving fully fuzzy linear system with arbitrary triangular fuzzy numbers (m, α , β)	Babbar N., Kumar A., Bansal A.	School of Mathematics	Soft Computing	2013	1433-7479
A numerical scheme based on differential quadrature method to solve time dependent Burgers' equation	Mittal R.C., Jiwari R., Sharma K.K.	School of Mathematics	Engineering Computations (Swansea, Wales)	2013	0264-4401
Painlevé analysis, Lie symmetries and exact solutions for variable coefficients Benjamin-Bona-Mahony-Burger (BBMB) equation	Kumar V., Gupta R.K., Jiwari R.	School of Mathematics	Communications in Theoretical Physics	2013	0253-6102
A ranking approach for intuitionistic fuzzy numbers and its application	Kumar A., Kaur M.	School of Mathematics	Journal of Applied Research and Technology	2013	1665-6423
Kawahara equation and modified Kawahara equation with time dependent coefficients: Symmetry analysis and generalized G' G - expansion method	Kaur L., Gupta R.K.	School of Mathematics	Mathematical Methods in the Applied Sciences	2013	0170-4214
Painlevé analysis, Lie symmetries and invariant solutions of potential Kadomstev-Petviashvili equation with time dependent coefficients	Gupta R.K., Bansal A.	School of Mathematics	Applied Mathematics and Computation	2013	0096-3003
Method for solving unbalanced fully fuzzy multi-objective solid minimal cost flow problems	Kaur M., Kumar A.	School of Mathematics	Applied Intelligence	2013	0924-669X
Reliability analysis of the engineering systems using intuitionistic fuzzy set theory	Garg H., Rani M., Sharma S.P.	School of Mathematics	Journal of Quality and Reliability Engineering	2013	0265-671X
Second-order multiobjective symmetric duality involving cone-convex functions	Gupta S.K., Kailey N.	School of Mathematics	Journal of Global Optimization	2013	0925-5001
A new method for sensitivity analysis of fuzzy transportation problems	Bhatia N., Kumar A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2013	1064-1246
A New Method to Find the Unique Fuzzy Optimal Value of Fuzzy Linear Programming Problems	Kaur J., Kumar A.	School of Mathematics	Journal of Optimization Theory and Applications	2013	0022-3239
Optimal compromise solution of multi-objective minimal cost flow problems in fuzzy environment	Kaur M., Kumar A.	School of Mathematics	Applied Mathematical Modelling	2013	0307-904X
Fully fuzzy linear systems of triangular fuzzy numbers (a,b,c)	Kumar A., Bansal A., Babbar N.	School of Mathematics	International Journal of Intelligent Computing and Cybernetics	2013	1756-378X

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Behavioral study of piston manufacturing plant through stochastic models	Lal A.K., Kaur M., Lata S.	School of Mathematics	Journal of Industrial Engineering International	2013	1735-5702
Symmetric duality for second-order fractional programs	Gulati T.R., Mehndiratta G., Verma K.	School of Mathematics	Optimization Letters	2013	1862-4480
Comparative study of travelling-wave and numerical solutions for the coupled short pulse (CSP) equation	Kumar V., Gupta R.K., Jiware R.	School of Mathematics	Chinese Physics B	2013	1009-1963
On equality of central and class preserving automorphisms of finite p-groups	Kalra H., Gumber D.	School of Mathematics	Indian Journal of Pure and Applied Mathematics	2013	0019-5588
Risk analysis of combustion system using vague ranking method	Verma M., Kumar A., Singh P., Singh Y.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2013	1064-1246
Numerical solution of stochastic partial differential difference equation arising in reliability engineering	Kaur M., Lal A.K., Bhatia S.S., Reddy A.S.	School of Mathematics	Applied Mathematics and Computation	2013	0096-3003
Linear programming approach to find the solution of fully fuzzy linear systems with arbitrary fuzzy coefficients	Babbar N., Kumar A., Bansal A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2013	1064-1246
Application of non-normal p-norm trapezoidal fuzzy number in reliability evaluation of electrical substations	Verma M., Kumar A., Singh Y., Allahviranloo T.	School of Mathematics	Neural Computing and Applications	2013	0941-0643
Dynamics of internal waves in a stratified ocean modeled by the extended Gardner equation with time-dependent coefficients	Kumar S., Singh K., Gupta R.K.	School of Mathematics	Ocean Engineering	2013	0029-8018
On symmetries and exact solutions of the Einstein-Maxwell field equations via the symmetry approach	Kaur L., Gupta R.K.	School of Mathematics	Physica Scripta	2013	0031-8949
On the converse of a theorem of Schur	Gumber D., Kalra H.	School of Mathematics	Archiv der Mathematik	2013	0003-889X
Analysis of Chirp as windowing function through fractional Fourier transform	Mohindru P., Khanna R., Bhatia S.S.	School of Mathematics	International Journal of Electronics	2013	1362-3060
Common fixed point theorems of weak reciprocal continuity in metric spaces	Manro S., Kumar S., Bhatia S.S., Kang S.M.	School of Mathematics	International Journal of Pure and Applied Mathematics	2013	1314-3395
General form of linear programming problems with fuzzy parameters	Kumar A., Kaur J.	School of Mathematics	Journal of Applied Research and Technology	2013	1665-6423
Some new computational methods to solve dual fully fuzzy linear system of arbitrary triangular fuzzy numbers	Kumar A., Neetu B., Bansal A.	School of Mathematics	New Mathematics and Natural Computation	2013	1793-0057
Development of a standard text and speech corpus for the Punjabi language	Dhanjal S., Bhatia S.S.	School of Mathematics	2013 International Conference Oriental COCOSA Held Jointly with 2013 Conference on Asian Spoken Language Research and Evaluation, O-COCOSA/CASLRE 2013	2013	
Fixed point theorems for mappings satisfying a general contractive condition of integral type	Manro S., Jeong S.B., Kang S.M.	School of Mathematics	International Journal of Mathematical Analysis	2013	1312-8876

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Common fixed point theorems for contraction mappings using weak reciprocal continuity	Manro S., Kumar S., Bhatia S.S., Kang S.M.	School of Mathematics	International Journal of Pure and Applied Mathematics	2013	1314-3395
On lacunary statistical limit and cluster points of sequences of fuzzy numbers	Kumar P., Bhatia S.S., Kumar V.	School of Mathematics	Iranian Journal of Fuzzy Systems	2013	1735-0654
Common fixed point theorems in modified intuitionistic fuzzy metric spaces	Manro S., Kumar S., Bhatia S.S., Tas K.	School of Mathematics	Journal of Applied Mathematics	2013	1687-0042
Performance analysis of 66/11 KV substation using Petri nets and vague lambda tau methodology	Verma M., Kumar A.	School of Mathematics	Kuwait Journal of Science	2013	1024-8684
A note on a totally umbilical proper slant submanifold of a nearly Kaehler manifold	Singh K., Uddin S., Khan M.A.	School of Mathematics	Kuwait Journal of Science	2013	1024-8684
A new method for solving differential equations with vague parameters	Lata S., Kumar A.	School of Mathematics	Applied Mathematical Modelling	2013	0307-904X
Erratum to: "sub compatible and sub sequentially continuous maps in fuzzy metric spaces"	Manro S.	School of Mathematics	Applied Mathematical Sciences	2013	1314-7552
Eigenfrequencies of rotationally and tidally distorted white dwarf models of stars	Lal A.K., Kumar T., Pathania A.	School of Mathematics	Astrophysics and Space Science	2013	0004-640X
On certain new exact solutions of the Einstein equations for axisymmetric rotating fields	Kaur L., Gupta R.K.	School of Mathematics	Chinese Physics B	2013	1009-1963
Erratum: Common fixed point theorems for expansion mappings in various abstract spaces using concept of weak reciprocal continuity (Fixed Point Theory and Applications (2013) 2013 (8))	Manro S., Kumam P.	School of Mathematics	Fixed Point Theory and Applications	2013	1687-1812
Some applications of augmentation quotients	Gumber D.	School of Mathematics	Hacettepe Journal of Mathematics and Statistics	2013	1305-5010
A class of predictive estimators in two-stage design when auxiliary character is estimated	Saini M.	School of Mathematics	Indian Journal of Science and Technology	2013	0974-6846
A robust computational technique for a system of singularly perturbed convection-diffusion equations	Vinod Kumar, Rajesh Kumar Bawa and A. K. Lal	School of Mathematics	International Journal of Computational Methods	2013	02019-8762
Common fixed point theorems of weak reciprocal continuity	Manro S., Bhatia S.S., Kumar S., Kang S.M.	School of Mathematics	International Journal of Mathematical Analysis	2013	1312-8876
A new analytical method for solving fuzzy differential equations	Lata S., Kumar A.	School of Mathematics	Iranian Journal of Fuzzy Systems	2013	1735-0654
On the Use of Roche Equipotentials in Analysing the Problems of Binary and Rotating Stars	Pathania A., Lal A.K., Mohan C.	School of Mathematics	Journal of Astrophysics and Astronomy	2013	0250-6335
Application of the weakest t-norm (Tw) based vague lambda-tau methodology for reliability analysis of gas turbine system	Verma M., Kumar A., Singh Y., Abraham A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2013	1064-1246

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Symmetries and exact solutions of Einstein field equations for perfect fluid distribution and pure radiation fields	Kaur L., Gupta R.K.	School of Mathematics	Maejo International Journal of Science and Technology	2013	1905-7873
Modification in Chen and Tsai's method for solving time-cost trade-off problems of project networks in fuzzy environments	Kaur P., Kumar A.	School of Mathematics	Neural Computing and Applications	2013	0941-0643
Methods for solving fully fuzzy transportation problems based on classical transportation methods	Kumar A., Kaur A.	School of Mathematics	Optimizing, Innovating, and Capitalizing on Information Systems for Operations	2013	1865-1348
Solving structural engineering design optimization problems using an artificial bee colony algorithm	Garg H.	School of Mathematics	Journal of Industrial and Management Optimization	2014	1547-5816
Intuitionistic fuzzy optimization technique for solving multi-objective reliability optimization problems in interval environment	Garg H., Rani M., Sharma S.P., Vishwakarma Y.	School of Mathematics	Expert Systems with Applications	2014	0957-4174
An approach for analyzing the reliability of industrial systems using soft-computing based technique	Garg H., Rani M., Sharma S.P.	School of Mathematics	Expert Systems with Applications	2014	0957-4174
Bi-objective optimization of the reliability-redundancy allocation problem for series-parallel system	Garg H., Rani M., Sharma S.P., Vishwakarma Y.	School of Mathematics	Journal of Manufacturing Systems	2014	0278-6125
A computational modeling of two dimensional reaction-diffusion Brusselator system arising in chemical processes	Jiwari R., Yuan J.	School of Mathematics	Journal of Mathematical Chemistry	2014	1572-8897
Reliability, Availability and Maintainability Analysis of Industrial Systems Using PSO and Fuzzy Methodology	Garg H.	School of Mathematics	Mapan - Journal of Metrology Society of India	2014	0974-9853
A numerical scheme based on differential quadrature method for numerical simulation of nonlinear Klein-Gordon equation	Verma A., Jiwari R., Kumar S.	School of Mathematics	International Journal of Numerical Methods for Heat and Fluid Flow	2014	0961-5539
A method for unbalanced transportation problems in fuzzy environment	Rani D., Gulati T.R., Kumar A.	School of Mathematics	Sadhana - Academy Proceedings in Engineering Sciences	2014	0256-2499
Lie symmetry analysis and exact solutions for a variable coefficient generalised Kuramoto-Sivashinsky equation	Kumar R., Gupta R.K., Bhatia S.S.	School of Mathematics	Romanian Reports in Physics	2014	1221-1451
Analytic and numerical solutions of nonlinear diffusion equations via symmetry reductions	Verma A., Jiwari R., Koksai M.E.	School of Mathematics	Advances in Difference Equations	2014	1687-1847
Linear programming approach for solving fuzzy critical path problems with fuzzy parameters	Kaur P., Kumar A.	School of Mathematics	Applied Soft Computing Journal	2014	1568-4946

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A novel approach for analyzing the behavior of industrial systems using weakest t-norm and intuitionistic fuzzy set theory	Garg H.	School of Mathematics	ISA Transactions	2014	0019-0578
Generalized α - ψ -contractive type mappings of integral type and related fixed point theorems	Karapinar E., Shahi P., Tas K.	School of Mathematics	Journal of Inequalities and Applications	2014	1029-242X
Fuzzy optimal solution of fully fuzzy linear programming problems using ranking function	Kumar A., Kaur J.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2014	1064-1246
Velocity dispersion in an elastic plate with microstructure: Effects of characteristic length in a couple stress model	Sharma V., Kumar S.	School of Mathematics	Meccanica	2014	0025-6455
A novel general approach to evaluating the reliability of gas turbine system	Verma M., Kumar A.	School of Mathematics	Engineering Applications of Artificial Intelligence	2014	0952-1976
Cost minimization of butter-oil processing plant using artificial bee colony technique	Rani M., Garg H., Sharma S.P.	School of Mathematics	Mathematics and Computers in Simulation	2014	0378-4754
A Note on the Paper "A Simplified Novel Technique for Solving Fully Fuzzy Linear Programming Problems"	Bhardwaj B., Kumar A.	School of Mathematics	Journal of Optimization Theory and Applications	2014	0022-3239
Analyzing the behavior of an industrial system using fuzzy confidence interval based methodology	Garg H.	School of Mathematics	National Academy Science Letters	2014	0250-541X
Fixed points of generalized contractive mappings of integral type	Alsulami H.H., Karapinar E., O'Regan D., Shahi P.	School of Mathematics	Fixed Point Theory and Applications	2014	1687-1812
A note on conjugacy classes of finite groups	Kalra H., Gumber D.	School of Mathematics	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	2014	0253-4142
Optimal way of selecting cities and conveyances for supplying coal in uncertain environment	Kumar A., Kaur A.	School of Mathematics	Sadhana - Academy Proceedings in Engineering Sciences	2014	0256-2499
Performance and behavior analysis of repairable industrial systems using Vague Lambda-Tau methodology	Garg H.	School of Mathematics	Applied Soft Computing Journal	2014	1568-4946
Lie group analysis, numerical and non-traveling wave solutions for the (2+1)-dimensional diffusion - Advection equation with variable coefficients	Kumar V., Gupta R.K., Jiwari R.	School of Mathematics	Chinese Physics B	2014	1009-1963
A note on "generalized fuzzy linear programming for decision making under uncertainty: Feasibility of fuzzy solutions and solving approach"	Kumar A., Appadoo S.S., Bector C.R.	School of Mathematics	Information Sciences	2014	0020-0255
IA-automorphisms of finitely generated nilpotent groups	Singh S., Gumber D., Kalra H.	School of Mathematics	Journal of Algebra and its Applications	2014	0219-4988

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Erratum: A methodology for matrix games with payoffs of triangular intuitionistic fuzzy number (Journal of Intelligent and Fuzzy Systems DOI: 10.3233/IFS-130956)	Verma T., Kumar A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2014	1064-1246
A class of integer linear fractional bilevel programming problems,	Sharma V., Dahiya K., Verma V.	School of Mathematics	Optimization	2014	1029-4945
Some invariant solutions of field equations with axial symmetry for empty space containing an electrostatic field	Kaur L., Gupta R.K.	School of Mathematics	Applied Mathematics and Computation	2014	0096-3003
Mathematical analysis of the transmission dynamics of HIV/AIDS: Role of female sex workers	Kaur N., Ghosh M., Bhatia S.S.	School of Mathematics	Applied Mathematics and Information Sciences	2014	2335-0399
Equilibrium structure of rotationally and tidally distorted Prasad model including the effect of mass variation inside the stars	Sunil Kumar, A. K. Lal, and Seema Saini	School of Mathematics	Astrophysics	2014	0571-7256
Common fixed point theorems for four mappings in intuitionistic fuzzy metric spaces	Manro S., Kang S.M.	School of Mathematics	International Journal of Pure and Applied Mathematics	2014	1314-3395
Performance analysis of repairable industrial systems using artificial bee colony and fuzzy methodology	Garg H., Rani M., Sharma S.P.	School of Mathematics	International Journal on Artificial Intelligence Tools	2014	0218-2130
Generalized (ξ, α) -expansive mappings and related fixed-point theorems	Karapinar E., Shahi P., Kaur J., Bhatia S.S.	School of Mathematics	Journal of Inequalities and Applications	2014	1029-242X
Common fixed point theorems for weakly compatible maps satisfying common (E.a) like property in intuitionistic fuzzy metric spaces using implicit relation	Manro S., Kumar S., Bhatia S.S.	School of Mathematics	Journal of the Indian Mathematical Society	2014	0025-5742
Mehar methods for fuzzy optimal solution and sensitivity analysis of fuzzy linear programming with symmetric trapezoidal fuzzy numbers	Sidhu S.K., Kumar A., Appadoo S.S.	School of Mathematics	Mathematical Problems in Engineering	2014	1024-123X
A fixed point theorem for a Meir-Keeler type contractive condition on an intuitionistic fuzzy metric space	Manro S.	School of Mathematics	Panamerican Mathematical Journal	2014	1064-9735
Additive and multiplicative inverse of generalized fuzzy numbers with different left heights and right heights	Gupta G., Kumar A., Sharma M.K.	School of Mathematics	Advances in Intelligent Systems and Computing	2014	
Some common fixed point theorems using CLRg property in complex valued metric spaces	Manro S., Das K.	School of Mathematics	Gazi University Journal of Science	2014	2147-1762
A robust computational technique for a system of singularly perturbed reaction-diffusion equations	Kumar V., Bawa R.K., Lal A.K.	School of Mathematics	International Journal of Applied Mathematics and Computer Science	2014	2083-8492

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Common fixed point theorems of generalized contractive mappings using weak reciprocal continuity	Kang S.M., Manro S., Kumar S., Jeong S.B.	School of Mathematics	International Journal of Mathematical Analysis	2014	1312-8876
Erratum: Common fixed point theorems in modified intuitionistic fuzzy metric spaces (Journal of Applied Mathematics)	Manro S., Kumar S., Bhatia S.S., Tas K.	School of Mathematics	Journal of Applied Mathematics	2014	1687-0042
Common fixed points of expansive mappings in generalized metric spaces	Shahi P., Kaur J., Bhatia S.S.	School of Mathematics	Journal of Applied Research and Technology	2014	1665-6423
The role of screening and treatment in the transmission dynamics of HIV/AIDS and tuberculosis co-infection: A mathematical study	Kaur N., Ghosh M., Bhatia S.S.	School of Mathematics	Journal of Biological Physics	2014	0092-0606
PUNJARPabet: A new phonetic alphabet for speech processing in the punjabi language	Dhanjal S., Bhatia S.S.	School of Mathematics	Journal of Circuits, Systems and Computers	2014	0218-1268
Common fixed points of minimal contractive conditions in intuitionistic fuzzy metric space	Manro S., Bisht R.K.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2014	1064-1246
Mathematical analysis to study the role of mass-media in the transmission dynamics of infectious diseases	Kaur N., Ghosh M., Bhatia S.S.	School of Mathematics	Neural, Parallel and Scientific Computations	2014	1061-5369
Dimensions and equilibrium structures of the primary component of the nonsynchronous binary systems	Pathania A., Medupe T.	School of Mathematics	New Astronomy	2014	1384-1076
New modified optimal families of King's and Traub-Ostrowski's methods	Behl R., Kanwar V., Sharma K.K.	School of Mathematics	Numerical Analysis and Applications	2014	1995-4239
A new method for solving single and multi-objective fuzzy minimum cost flow problems with different membership functions	Kumar A., Kaur M.	School of Mathematics	Sadhana - Academy Proceedings in Engineering Sciences	2014	0256-2499
Newtonian heating effect on unsteady hydromagnetic Casson fluid flow past a flat plate with heat and mass transfer	Das M., Mahato R., Nandkeolyar R.	School of Mathematics	Alexandria Engineering Journal	2015	1110-0168
An efficient biogeography based optimization algorithm for solving reliability optimization problems	Garg H.	School of Mathematics	Swarm and Evolutionary Computation	2015	2210-6502
An Approach for Analyzing the Reliability of Industrial System Using Fuzzy Kolmogorov's Differential Equations	Garg H.	School of Mathematics	Arabian Journal for Science and Engineering	2015	2191-4281
Exact and numerical solutions of coupled short pulse equation with time-dependent coefficients	Gupta R.K., Kumar V., Jiwari R.	School of Mathematics	Nonlinear Dynamics	2015	0924-090X

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Mixed Convection and Nonlinear Radiation in the Stagnation Point Nanofluid flow towards a Stretching Sheet with Homogenous-Heterogeneous Reactions effects	Das M., Mahatha B.K., Nandkeolyar R.	School of Mathematics	Procedia Engineering	2015	1877-7058
Cosine expansion based differential quadrature algorithm for numerical simulation of two dimensional hyperbolic equations with variable coefficients	Verma A., Jiwari R.	School of Mathematics	International Journal of Numerical Methods for Heat and Fluid Flow	2015	0961-5540
Solitons and other solutions of the long-short wave equation	Ebadi G., Mojaver A., Kumar S., Biswas A.	School of Mathematics	International Journal of Numerical Methods for Heat and Fluid Flow	2015	0961-5541
Unsteady hydromagnetic natural convection flow past an impulsively moving vertical plate with Newtonian heating in a rotating system	Seth G.S., Sarkar S., Nandkeolyar R.	School of Mathematics	Journal of Applied Fluid Mechanics	2015	1735-3572
Multi-objective optimization problem of system reliability under intuitionistic fuzzy set environment using Cuckoo Search algorithm	Garg H.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2015	1064-1246
Optical solitons with quadratic nonlinearity by lie symmetry analysis	Kumar S., Savescu M., Zhou Q., Biswas A., Belic M.	School of Mathematics	Optoelectronics and Advanced Materials, Rapid Communications	2015	2065-3824
MHD Stagnation Point Flow of a Nanofluid with Velocity Slip, Non-linear Radiation and Newtonian Heating	Mahatha B.K., Nandkeolyar R., Nagaraju G., Das M.	School of Mathematics	Procedia Engineering	2015	1877-7058
A note on "A new algorithm to solve fully fuzzy linear programming problems using the MOLP problem"	Bhardwaj B., Kumar A.	School of Mathematics	Applied Mathematical Modelling	2015	0307-904X
A novel method for ranking of vague sets for handling the risk analysis of compressor system	Singh P., Verma M., Kumar A.	School of Mathematics	Applied Soft Computing Journal	2015	1568-4946
Vibrational stability of differentially rotating polytropic stars	Sunil Kumar, A. K. Lal, and Seema Saini	School of Mathematics	Astrophysics	2015	0571-7256
Warped product slant lightlike submanifolds of indefinite Sasakian manifolds	Sachdeva R., Kumar R., Bhatia S.S.	School of Mathematics	Balkan Journal of Geometry and its Applications	2015	1224-2780
Higher-order MUSCL scheme for transport equation originating in a neuronal model	Kumar S., Singh P.	School of Mathematics	Computers and Mathematics with Applications	2015	0898-1221
Some fixed point results for non-decreasing and mixed monotone mappings with auxiliary functions	Wang S., Ansari A.H., Chandok S.	School of Mathematics	Fixed Point Theory and Applications	2015	1687-1812
Modified difference-index based ranking bilinear programming approach to solving bimatrix games with payoffs of trapezoidal intuitionistic fuzzy numbers	Verma T., Kumar A., Appadoo S.S.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2015	1064-1246

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Totally umbilical hemi-slant lightlike submanifolds	Sachdeva R., Kumar R., Bhatia S.S.	School of Mathematics	New York Journal of Mathematics	2015	1076-9803
Symmetry analysis and some solutions of gowdy equations	Kumar R., Gupta R.K., Bhatia S.S.	School of Mathematics	Romanian Journal of Physics	2015	1221-146X
New tuning model for rectangular windowed FIR filter using fractional Fourier transform	Mohindru P., Khanna R., Bhatia S.S.	School of Mathematics	Signal, Image and Video Processing	2015	1863-1711
Effects of mass variation on the radial oscillations of differentially rotating and tidally distorted polytropic stars	Seema Saini, Sunil Kumar, and A. K. Lal	School of Mathematics	Astrophysics	2015	0571-7256
Finite p-groups with Central Automorphism Group of Minimal Order	Gumber D., Kalra H.	School of Mathematics	Communications in Algebra	2015	0092-7872
Common fixed points for (ψ, F, α, β) -weakly contractive mappings in generalized metric spaces via new functions	Işık H., Ansari A.H., Türkoğlu D., Chandok S.	School of Mathematics	Gazi University Journal of Science	2015	2147-1762
A Note on "A Lexicographic Method for Matrix Games with Payoffs of Triangular Intuitionistic Fuzzy Numbers"	Verma T., Kumar A.	School of Mathematics	International Journal of Computational Intelligence Systems	2015	1875-6883
Predicting uncertain behavior in critical engineering systems under vague environment	Garg H.	School of Mathematics	Journal of Multiple-Valued Logic and Soft Computing	2015	1542-3980
Fixed point theorems for α - ψ -contractive type mappings of integral type with applications	Shahi P., Kaur J., Bhatia S.S.	School of Mathematics	Journal of Nonlinear and Convex Analysis	2015	1345-4773
Integrability and L1-convergence of fuzzy trigonometric series with special fuzzy coefficients	Kaur S., Kaur J.	School of Mathematics	Journal of Nonlinear Science and Applications	2015	2008-1901
Effects of liquid loadings on lamb waves in context of size dependent couple stress theory	Sharma V., Kumar S.	School of Mathematics	Journal of Theoretical and Applied Mechanics	2015	0079-3701
Totally contact umbilical slant lightlike submanifolds of indefinite Kenmotsu manifolds	Sachdeva R., Kumar R., Bhatia S.S.	School of Mathematics	Tamkang Journal of Mathematics	2015	0049-2930
Fixed points on non-archimedean fuzzy metric spaces	Manro S., Salimi P.	School of Mathematics	Advances in Nonlinear Variational Inequalities	2015	1092-910X
Some Results in partial metric space using auxiliary functions	Chandok S., Kumar D., Khan M.S.	School of Mathematics	Applied Mathematics E - Notes	2015	1607-2510
Statistical convergence of double sequences on probabilistic normed spaces defined by $[V, \lambda, \mu]$ -summability	Kumar P., Bhatia S.S., Kumar V.	School of Mathematics	Boletim da Sociedade Paranaense de Matematica	2015	2296-4495
J and J* convergence of multiple sequences of fuzzy numbers	Kumar P., Kumar V., Bhatia S.S.	School of Mathematics	Boletim da Sociedade Paranaense de Matematica	2015	2296-4495

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Common fixed point theorems in intuitionistic fuzzy metric spaces using concept of occasionally weakly compatible self mappings	Sintunavarat W., Manro S., Kumam P.	School of Mathematics	Chiang Mai Journal of Science	2015	2465-4337
The conjugacy class number $k(G)$: A different perspective	Gumber D., Kalra H.	School of Mathematics	Communications in Algebra	2015	0092-7872
Some fixed point theorems for mappings atisfying contractive conditions of integral type in modified intuitionistic uzy metric spaces	Manro S., Kang S.M.	School of Mathematics	International Journal of Pure and Applied Mathematics	2015	1314-3395
HIV-TB co-infection: A simple mathematical model	Kaur N., Ghosh M., Bhatia S.S.	School of Mathematics	Journal of Advanced Research in Dynamical and Control Systems	2015	1943-023X
A novel approach to the solution of matrix games with payoffs expressed by trapezoidal intuitionistic fuzzy numbers	Verma T., Kumar A., Kacprzyk J.	School of Mathematics	Journal of Automation, Mobile Robotics and Intelligent Systems	2015	1897-8649
Second-order nondifferentiable multiobjective mixed symmetric dual programs over cones	Gupta S.K., Dangar D., Kailey N., Kumar S.	School of Mathematics	Journal of Mathematical Modelling and Algorithms	2015	2214-2487
Common fixed point theorems for R-weakly commuting maps satisfying common property (E.A.) in intuitionistic fuzzy metric spaces using implicit relation	Manro S., Tomar A.	School of Mathematics	Journal of the Indian Mathematical Society	2015	0025-5742
Finite p-groups whose absolute central automorphisms are inner	Singh S., Gumber D.	School of Mathematics	Mathematical Communications	2015	1331-0623
Generalized Sequential Convergence in Fuzzy Neighborhood Spaces	Kumar P., Bhatia S.S., Kumar V.	School of Mathematics	National Academy Science Letters	2015	0250-541X
Painlevé analysis and some solutions of variable coefficient Benny equation	Kumar R., Gupta R.K., Bhatia S.S.	School of Mathematics	Pramana - Journal of Physics	2015	0304-4289
Class-preserving automorphisms of some finite p-groups	Gumber D., Sharma M.	School of Mathematics	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	2015	0253-4142
A New Generalized Pythagorean Fuzzy Information Aggregation Using Einstein Operations and Its Application to Decision Making	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2016	1098-111X
A new generalized improved score function of interval-valued intuitionistic fuzzy sets and applications in expert systems	Garg H.	School of Mathematics	Applied Soft Computing Journal	2016	1568-4946
A hybrid PSO-GA algorithm for constrained optimization problems	Garg H.	School of Mathematics	Applied Mathematics and Computation	2016	0096-3003
A novel accuracy function under interval-valued Pythagorean fuzzy environment for solving multicriteria decision making problem	Garg H.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2016	1064-1246

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A Novel Correlation Coefficients between Pythagorean Fuzzy Sets and Its Applications to Decision-Making Processes	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2016	1098-111X
Generalized intuitionistic fuzzy interactive geometric interaction operators using Einstein t-norm and t-conorm and their application to decision making	Garg H.	School of Mathematics	Computers and Industrial Engineering	2016	0360-8352
Generalized intuitionistic fuzzy multiplicative interactive geometric operators and their application to multiple criteria decision making	Garg H.	School of Mathematics	International Journal of Machine Learning and Cybernetics	2016	1868-8071
Some series of intuitionistic fuzzy interactive averaging aggregation operators	Garg H.	School of Mathematics	SpringerPlus	2016	2193-1801
Optical solitons in birefringent fibers by lie symmetry analysis	Kumar S., Zhou Q., Bhrawy A.H., Zerrad E., Biswas A., Belic M.	School of Mathematics	Romanian Reports in Physics	2016	1221-1451
Novel single-valued neutrosophic aggregated operators under frank norm operation and its application to decision-making process	Nancy, Garg H.	School of Mathematics	International Journal for Uncertainty Quantification	2016	2152-5080
Dynamic response of normal moving load on an irregular fiber-reinforced half-space	Kaur T., Singh A.K., Chattopadhyay A., Sharma S.K.	School of Mathematics	JVC/Journal of Vibration and Control	2016	1741-2986
Modeling and analyses of driver's characteristics in a traffic system with passing	Sharma S.	School of Mathematics	Nonlinear Dynamics	2016	0924-090X
On invariant analysis of some time fractional nonlinear systems of partial differential equations. I	Singla K., Gupta R.K.	School of Mathematics	Journal of Mathematical Physics	2016	0022-2488
A novel approach for analyzing the reliability of series-parallel system using credibility theory and different types of intuitionistic fuzzy numbers	Garg H.	School of Mathematics	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2016	1806-3691
Bäcklund transformations, Lax system, conservation laws and multisoliton solutions for Jimbo-Miwa equation with Bell-polynomials	Singh M., Gupta R.K.	School of Mathematics	Communications in Nonlinear Science and Numerical Simulation	2016	1007-5704
Multi-objective non-linear programming problem in intuitionistic fuzzy environment: Optimistic and pessimistic view point	Rani D., Gulati T.R., Garg H.	School of Mathematics	Expert Systems with Applications	2016	0957-4174
Some fixed point results for TAC-type contractive mappings	Chandok S., Tas K., Hojat Ansari A.	School of Mathematics	Journal of Function Spaces	2016	2314-8896
A novel approach for solving fuzzy differential equations using Runge-Kutta and Biogeography-based optimization	Garg H.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2016	1064-1246

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Effect of reinforcement, gravity and liquid loading on Rayleigh-type wave propagation	Kaur T., Sharma S.K., Singh A.K.	School of Mathematics	Meccanica	2016	0025-6455
On second order duality of minimax fractional programming with square root term involving generalized B-(p, \hat{A} r)-invex functions	Sonali, Kailey N., Sharma V.	School of Mathematics	Annals of Operations Research	2016	0254-5330
A note on "fully fuzzy fixed charge multi-item solid transportation problem"	Gupta G., Kaur J., Kumar A.	School of Mathematics	Applied Soft Computing Journal	2016	1568-4946
A note on "Applying fuzzy linguistic preference relations to the improvement of consistency of fuzzy AHP"	Pandey A., Kumar A.	School of Mathematics	Information Sciences	2016	0020-0255
Applications of maple software to derive exact solutions of generalized fifth-order Korteweg-de Vries equation with time-dependent coefficients	Goyal N., Wazwaz A.-M., Gupta R.K.	School of Mathematics	Romanian Reports in Physics	2016	1221-1451
Speech recognition using ANN and predator-influenced civilized swarm optimization algorithm	Mittal T., Sharma R.K.	School of Mathematics	Turkish Journal of Electrical Engineering and Computer Sciences	2016	1303-6203
Dynamic response of a moving load on a micropolar half-space with irregularity	Kaur T., Kumar Sharma S., Kumar Singh A.	School of Mathematics	Applied Mathematical Modelling	2016	0307-904X
A Note on "a New Method for Solving Fuzzy Linear Programming Problems Based on the Fuzzy Linear Complementary Problem (FLCP)"	Gupta G., Kumar A., Sharma M.K.	School of Mathematics	International Journal of Fuzzy Systems	2016	1562-2479
Dissipative effects in hydromagnetic boundary layer nanofluid flow past a stretching sheet with Newtonian heating	Mahatha B.K., Nandkeolyar R., Mahto G.K., Sibanda P.	School of Mathematics	Journal of Applied Fluid Mechanics	2016	1735-3572
A Note on the Paper "Duality Theory for Optimization Problems with Interval-Valued Objective Functions"	Kaur H., Kumar A.	School of Mathematics	Journal of Optimization Theory and Applications	2016	0022-3239
Influence of microstructure, heterogeneity and internal friction on SH waves propagation in a viscoelastic layer overlying a couple stress substrate	Sharma V., Kumar S.	School of Mathematics	Structural Engineering and Mechanics	2016	1225-4568
A Note on "Data mining based noise diagnosis and fuzzy filter design for image processing"	Jindal K., Kumar R.	School of Mathematics	Computers and Electrical Engineering	2016	0045-7906
Invariant approximation results of generalized contractive mappings	Čirić L., Chandok S., Abbas M.	School of Mathematics	Filomat	2016	0354-5180
Invariant solutions of variable coefficients generalized Gardner equation	Kumar R., Gupta R.K., Bhatia S.S.	School of Mathematics	Nonlinear Dynamics	2016	0924-090X
A note on "A fuzzy approach to transport optimization problem"	Sidhu S.K., Kumar A., Kaur A.	School of Mathematics	Optimization and Engineering	2016	1389-4420

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Combinatorics of tenth-order mock theta functions	Sareen J.K., Rana M.	School of Mathematics	Proceedings of the Indian Academy of Sciences: Mathematical Sciences	2016	0253-4142
Fuzzy optimal solution of fully fuzzy linear programming problems with equality constraints	Kaur J., Kumar A.	School of Mathematics	Studies in Fuzziness and Soft Computing	2016	1434-9922
Influence of imperfectly bonded micropolar elastic half-space with non-homogeneous viscoelastic layer on propagation behavior of shear wave	Kaur T., Sharma S.K., Singh A.K.	School of Mathematics	Waves in Random and Complex Media	2016	1745-5049
Four-way combinatorial interpretations of some Rogers-Ramanujan type identities	J. K. Sareen and M. Rana	School of Mathematics	ARS COMBINATORIA	2016	0381-7032
Efficient families of Newton's method and its variants suitable for non-convergent cases	Kanwar V., Kumar S., Kansal M., Garg A.	School of Mathematics	Afrika Matematika	2016	1012-9405
Spectral analysis of generalized triangular and welch window functions using fractional fourier transform [Spektralna analiza poopćene trokutaste iWelchove prozorske funkcije korištenjem frakcijske Fourierove transformacije]	Mohindru P., Khanna R., Bhatia S.S.	School of Mathematics	Automatika	2016	0005-1144
Erratum: Corrigendum to "A note on "Applying fuzzy linguistic preference relations to the improvement of consistency of fuzzy AHP" " (Information Sciences (2016) 346–347 (1–5)	Pandey A., Xu Y., Kumar A.	School of Mathematics	Information Sciences	2016	0020-0255
Equality of certain automorphism groups of finite p-groups	Gumber D., Kalra H.	School of Mathematics	Journal of Algebra and its Applications	2016	0219-4988
A note on "Ranking generalized exponential trapezoidal fuzzy numbers based on variance"	Gupta G., Kumar A., Appadoo S.S.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2016	1064-1246
A note on "Solving intuitionistic fuzzy linear programming problems by ranking function"	Sidhu S.K., Kumar A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2016	1064-1246
Mehar and Keerat method for solving system of fuzzy complex linear equations	Kaur J.J., Kumar A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2016	1064-1246
Wave of chaos in a spatial eco-epidemiological system: Generating realistic patterns of patchiness in rabbit-lynx dynamics	Upadhyay R.K., Roy P., Venkataraman C., Madzvamuse A.	School of Mathematics	Mathematical Biosciences	2016	0025-5564
A note on commuting automorphisms of some finite p-groups	Singh S., Gumber D.	School of Mathematics	Mathematical Notes	2016	0001-4346
Probability density function of leaky integrate-and-fire model with Lévy noise and its numerical approximation	Singh P., Kadalbajoo M.K., Sharma K.	School of Mathematics	Numerical Analysis and Applications	2016	1995-4239

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Moving load response on the stresses produced in an irregular microstretch substrate	Kaur T., Sharma S.K., Singh A.K., Chaki M.S.	School of Mathematics	Structural Engineering and Mechanics	2016	1225-4568
Fuzzy optimal solution of fully fuzzy linear programming problems with inequality constraints having LR flat fuzzy numbers	Kaur J., Kumar A.	School of Mathematics	Studies in Fuzziness and Soft Computing	2016	1434-9922
Unique fuzzy optimal value of fully fuzzy linear programming problems with equality constraints having LR flat fuzzy numbers	Kaur J., Kumar A.	School of Mathematics	Studies in Fuzziness and Soft Computing	2016	1434-9922
Slant Lightlike Submersions from an Indefinite Almost Hermitian Manifold into a Lightlike Manifold	Sachdeva R., Kumar R., Bhatia S.S.	School of Mathematics	Ukrainian Mathematical Journal	2016	0041-5995
Modelling the role of awareness and screening of infectives in the transmission dynamics of HIV	Kaur N., Ghosh M., Bhatia S.	School of Mathematics	World Journal of Modelling and Simulation	2016	1746-7233
Generalized Pythagorean Fuzzy Geometric Aggregation Operators Using Einstein t-Norm and t-Conorm for Multicriteria Decision-Making Process	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2017	1098-111X
Confidence levels based Pythagorean fuzzy aggregation operators and its application to decision-making process	Garg H.	School of Mathematics	Computational and Mathematical Organization Theory	2017	1381-298X
Novel intuitionistic fuzzy decision making method based on an improved operation laws and its application	Garg H.	School of Mathematics	Engineering Applications of Artificial Intelligence	2017	0952-1976
A Novel Improved Accuracy Function for Interval Valued Pythagorean Fuzzy Sets and Its Applications in the Decision-Making Process	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2017	1098-111X
Distance and similarity measures for intuitionistic multiplicative preference relation and its applications	Garg H.	School of Mathematics	International Journal for Uncertainty Quantification	2017	2152-5080
Distance measures between type-2 intuitionistic fuzzy sets and their application to multicriteria decision-making process	Singh S., Garg H.	School of Mathematics	Applied Intelligence	2017	0924-669X
Distance and similarity measures for dual hesitant fuzzy soft sets and their applications in multicriteria decision making problem	Garg H., Arora R.	School of Mathematics	International Journal for Uncertainty Quantification	2017	2152-5080
Some Picture Fuzzy Aggregation Operators and Their Applications to Multicriteria Decision-Making	Garg H.	School of Mathematics	Arabian Journal for Science and Engineering	2017	2191-4281

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Choquet integral-based information aggregation operators under the interval-valued intuitionistic fuzzy set and its applications to decision-making process	Garg H., Agarwal N., Tripathi A.	School of Mathematics	International Journal for Uncertainty Quantification	2017	2152-5080
Space-time fractional nonlinear partial differential equations: symmetry analysis and conservation laws	Singla K., Gupta R.K.	School of Mathematics	Nonlinear Dynamics	2017	0924-090X
Distance measures between the complex intuitionistic fuzzy sets and their applications to the decision-making process	Rani D., Garg H.	School of Mathematics	International Journal for Uncertainty Quantification	2017	2152-5080
A new improved score function of an interval-valued pythagorean fuzzy set based topsis method	Garg H.	School of Mathematics	International Journal for Uncertainty Quantification	2017	2152-5080
Analysis of driver's characteristics on a curved road in a lattice model	Kaur R., Sharma S.	School of Mathematics	Physica A: Statistical Mechanics and its Applications	2017	0378-4371
Non-linear programming method for multi-criteria decision making problems under interval neutrosophic set environment	Garg H., Nancy	School of Mathematics	Applied Intelligence	2017	0924-669X
Generalized interaction aggregation operators in intuitionistic fuzzy multiplicative preference environment and their application to multicriteria decision-making	Garg H.	School of Mathematics	Applied Intelligence	2017	0924-669X
On invariant analysis of space-time fractional nonlinear systems of partial differential equations. ii	Singla K., Gupta R.K.	School of Mathematics	Journal of Mathematical Physics	2017	0022-2488
A note on "A novel approach to multi attribute group decision making based on trapezoidal interval type-2 fuzzy soft sets"	Pandey A., Kumar A.	School of Mathematics	Applied Mathematical Modelling	2017	0307-904X
Conservation laws for certain time fractional nonlinear systems of partial differential equations	Singla K., Gupta R.K.	School of Mathematics	Communications in Nonlinear Science and Numerical Simulation	2017	1007-5704
Generalized Lie symmetry approach for fractional order systems of differential equations. III	Singla K., Gupta R.K.	School of Mathematics	Journal of Mathematical Physics	2017	0022-2488
Comment on "Lie symmetries and group classification of a class of time fractional evolution systems" [J. Math. Phys. 56, 123504 (2015)]	Singla K., Gupta R.K.	School of Mathematics	Journal of Mathematical Physics	2017	0022-2488
Performance analysis of an industrial system using soft computing based hybridized technique	Garg H.	School of Mathematics	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2017	1806-3691

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Some improved interactive aggregation operators under interval-valued intuitionistic fuzzy environment and their application to decision making process	Garg H., Agarwal N., Tripathi A.	School of Mathematics	Scientia Iranica	2017	1026-3098
An adaptive meshfree spectral graph wavelet method for partial differential equations	Goyal K., Mehra M.	School of Mathematics	Applied Numerical Mathematics	2017	0168-9274
Numerical simulation to capture the pattern formation of coupled reaction-diffusion models	Jiwari R., Singh S., Kumar A.	School of Mathematics	Chaos, Solitons and Fractals	2017	0960-0779
Data hiding algorithm for images using discrete wavelet transform and Arnold Transform	Kasana G., Singh K., Bhatia S.S.	School of Mathematics	Journal of Information Processing Systems	2017	1976-913X
Propagation of shear wave at a loosely bonded corrugated interface between a fibre-reinforced layer and an isotropic half-space	Singh A.K., Mistri K.C., Kaur T., Sharma S.	School of Mathematics	AIP Conference Proceedings	2017	0094-243X
A new multi-component DEA approach using common set of weights methodology and imprecise data: an application to public sector banks in India with undesirable and shared resources	Puri J., Yadav S.P., Garg H.	School of Mathematics	Annals of Operations Research	2017	0254-5330
Stagnation point nanofluid flow along a stretching sheet with non-uniform heat generation/absorption and Newtonian heating	Mahatha B.K., Nandkeolyar R., Das M., Sibanda P.	School of Mathematics	Bulgarian Chemical Communications	2017	0861-9808
Finite Volume Approximations for Size Structured Neuron Model	Kumar S., Singh P.	School of Mathematics	Differential Equations and Dynamical Systems	2017	0971-3514
A novel method for solving fully fuzzy linear fractional programming problems	Kaur J., Kumar A.	School of Mathematics	Journal of Intelligent and Fuzzy Systems	2017	1064-1246
Dispersion of SH waves in a viscoelastic layer imperfectly bonded with a couple stress substrate	Sharma V., Kumar S.	School of Mathematics	Journal of Theoretical and Applied Mechanics (Poland)	2017	0079-3701
Shear wave propagation in vertically heterogeneous viscoelastic layer over a micropolar elastic half-space	Kaur T., Sharma S.K., Singh A.K.	School of Mathematics	Mechanics of Advanced Materials and Structures	2017	1537-6494
Choquet integral-based intuitionistic fuzzy bonferroni mean operator	Garg H., Agarwal N., Tripathi A.	School of Mathematics	2016 9th International Conference on Contemporary Computing, IC3 2016	2017	
Erratum to: On second-order duality of minimax fractional programming with square root term involving generalized B - (p,r) -invex functions (Ann Oper Res, (2016), 244, (603–617), 10.1007/s10479-016-2147-y)	Sonali, Kailey N., Sharma V.	School of Mathematics	Annals of Operations Research	2017	0254-5330

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Commentary on "On solving a multiobjective fixed charge problem with imprecise fractional objectives"	Kaur J., Kumar A.	School of Mathematics	Applied Soft Computing Journal	2017	1568-4946
Commentary on "Calculating fuzzy inverse matrix using fuzzy linear equation system"	Kaur J., Kumar A.	School of Mathematics	Applied Soft Computing Journal	2017	1568-4946
Commentary on "A new generalized improved score function of interval-valued intuitionistic fuzzy sets and applications in expert systems" [Appl. Soft Comput., 2016(38)988–999]	Zhang F., Ge Y., Garg H., Luo L.	School of Mathematics	Applied Soft Computing Journal	2017	1568-4946
Partition theoretic interpretations of the A2 Rogers-Ramanujan identities	Rana M.	School of Mathematics	Ars Combinatoria	2017	0381-7032
Study of totally contact umbilical hemi-slant lightlike submanifolds of indefinite Sasakian manifolds	Sachdeva R., Rani R., Kumar R., Bhatia S.S.	School of Mathematics	Balkan Journal of Geometry and its Applications	2017	1224-2780
Reliability and economic analysis of a system consisting of two dissimilar units with variation in production	Rachna Kumari, A. K. Lal, S. S. Bhatia and R. K. Tuteja	School of Mathematics	Ciencia e Tecnica Vitivinicola journal- A Science and Technology Journal	2017	0254-0223
A class of k-sample distribution-free tests for location against ordered alternatives	Gaur A.	School of Mathematics	Communications in Statistics - Theory and Methods	2017	0361-0926
Split (n + t)-color partitions and 2-color F-partitions	Rana M., Sareen J.K.	School of Mathematics	Contributions to Discrete Mathematics	2017	1715-0868
A note on "A new fuzzy regression model based on absolute deviation"	Al-Qudaimi A., Kumar A.	School of Mathematics	Engineering Applications of Artificial Intelligence	2017	0952-1976
A note on "approximate solution of dual fuzzy matrix equations"	Kaur J.J., Kumar A.	School of Mathematics	Information Sciences	2017	0020-0255
Data hiding using lifting scheme and genetic Algorithm	Kasana G., Singh K., Bhatia S.S.	School of Mathematics	International Journal of Information and Computer Security	2017	1744-1765
Improved DEA models in the presence of undesirable outputs and imprecise data: an application to banking industry in India	Puri J., Yadav S.P.	School of Mathematics	International Journal of Systems Assurance Engineering and Management	2017	0976-4348
Spatiotemporal transmission dynamics of recent ebola outbreak in Sierra Leone, West Africa: Impact of control measures	Roy P., Upadhyay R.K.	School of Mathematics	Journal of Biological Systems	2017	0128-3390
Totally umbilical slant lightlike submanifolds of indefinite kaehler manifolds	Sachdeva R., Kumar R., Bhatia S.S.	School of Mathematics	Kyungpook Mathematical Journal	2017	1225-6951
Modified Approach for Optimization of Real Life Transportation Problem in Neutrosophic Environment	Singh A., Kumar A., Appadoo S.S.	School of Mathematics	Mathematical Problems in Engineering	2017	1024-123X
A ranking algorithm for bi-objective quadratic fractional integer programming problems	Sharma V., Dahiya K., Verma V.	School of Mathematics	Optimization	2017	0233-1934

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Positive solutions of a third order neutral delay difference equation	Wu Q., Manro S., Kang S.M.	School of Mathematics	Panamerican Mathematical Journal	2017	1064-9735
Automorphism groups of finitely generated groups that are isomorphic to group of inner automorphisms	Gumber D., Singh S.	School of Mathematics	Quaestiones Mathematicae	2017	1607-3606
Sensitivity analysis of parametric uncertainties and modeling errors in computational-mechanics models by using a generalized probabilistic modeling approach	Arnst M., Goyal K.	School of Mathematics	Reliability Engineering and System Safety	2017	0951-8320
TOPSIS method based on the connection number of set pair analysis under interval-valued intuitionistic fuzzy set environment	Kumar K., Garg H.	School of Mathematics	Computational and Applied Mathematics	2018	0377-0427
An improved score function for ranking neutrosophic sets and its application to decision-making process	Nancy, Garg H.	School of Mathematics	International Journal for Uncertainty Quantification	2018	2152-5080
Generalized and group-based generalized intuitionistic fuzzy soft sets with applications in decision-making	Garg H., Arora R.	School of Mathematics	Applied Intelligence	2018	0924-669X
Some methods for strategic decision-making problems with immediate probabilities in Pythagorean fuzzy environment	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2018	1098-111X
Linguistic single-valued neutrosophic prioritized aggregation operators and their applications to multiple-attribute group decision-making	Garg H., Nancy	School of Mathematics	Journal of Ambient Intelligence and Humanized Computing	2018	1868-5137
A nonlinear-programming methodology for multi-attribute decision-making problem with interval-valued intuitionistic fuzzy soft sets information	Garg H., Arora R.	School of Mathematics	Applied Intelligence	2018	0924-669X
Connection number of set pair analysis based TOPSIS method on intuitionistic fuzzy sets and their application to decision making	Kumar K., Garg H.	School of Mathematics	Applied Intelligence	2018	0924-669X
Bonferroni mean aggregation operators under intuitionistic fuzzy soft set environment and their applications to decision-making	Garg H., Arora R.	School of Mathematics	Journal of the Operational Research Society	2018	0160-5682
Some Aggregation Operators for Linguistic Intuitionistic Fuzzy Set and its Application to Group Decision-Making Process Using the Set Pair Analysis	Garg H., Kumar K.	School of Mathematics	Arabian Journal for Science and Engineering	2018	2191-4281

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Prioritized averaging/geometric aggregation operators under the intuitionistic fuzzy soft set environment	Arora R., Garg H.	School of Mathematics	Scientia Iranica	2018	1026-3098
Multi-attribute decision-making based on Bonferroni mean operators under cubic intuitionistic fuzzy set environment	Kaur G., Garg H.	School of Mathematics	Entropy	2018	1099-4300
Linguistic Pythagorean fuzzy sets and its applications in multiattribute decision-making process	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2018	1098-111X
Novel scaled prioritized intuitionistic fuzzy soft interaction averaging aggregation operators and their application to multi criteria decision making	Garg H., Arora R.	School of Mathematics	Engineering Applications of Artificial Intelligence	2018	0952-1976
New exponential operational laws and their aggregation operators for interval-valued Pythagorean fuzzy multicriteria decision-making	Garg H.	School of Mathematics	International Journal of Intelligent Systems	2018	1098-111X
Some robust improved geometric aggregation operators under interval-valued intuitionistic fuzzy environment for multi-criteria decision-making process	Garg H.	School of Mathematics	Journal of Industrial and Management Optimization	2018	1547-5816
Robust aggregation operators for multi-criteria decision-making with intuitionistic fuzzy soft set environment	Arora R., Garg H.	School of Mathematics	Scientia Iranica	2018	1026-3098
Distance measures for connection number sets based on set pair analysis and its applications to decision-making process	Garg H., Kumar K.	School of Mathematics	Applied Intelligence	2018	0924-669X
A robust correlation coefficient measure of dual hesitant fuzzy soft sets and their application in decision making	Arora R., Garg H.	School of Mathematics	Engineering Applications of Artificial Intelligence	2018	0952-1976
Hesitant Pythagorean fuzzy sets and their aggregation operators in multiple attribute decision-making	Garg H.	School of Mathematics	International Journal for Uncertainty Quantification	2018	2152-5080
Dual Hesitant Fuzzy Soft Aggregation Operators and Their Application in Decision-Making	Garg H., Arora R.	School of Mathematics	Cognitive Computation	2018	1866-9956
Ambika Methods for Solving Matrix Games with Atanassov's Intuitionistic Fuzzy Payoffs	Verma T., Kumar A.	School of Mathematics	IEEE Transactions on Fuzzy Systems	2018	1063-6706
Similarity Measure of Complex Vague Soft Sets and Its Application to Pattern Recognition	Selvachandran G., Garg H., Alaroud M.H.S., Salleh A.R.	School of Mathematics	International Journal of Fuzzy Systems	2018	1562-2479
A Linear Programming Method Based on an Improved Score Function for Interval-Valued Pythagorean Fuzzy Numbers and Its Application to Decision-Making	Garg H.	School of Mathematics	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	2018	0218-4885

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Generalised Pythagorean fuzzy geometric interactive aggregation operators using Einstein operations and their application to decision making	Garg H.	School of Mathematics	Journal of Experimental and Theoretical Artificial Intelligence	2018	0952-813X
Effects of microstructure and liquid loading on velocity dispersion of leaky Rayleigh waves at liquid-solid interface	Sharma V., Kumar S.	School of Mathematics	Canadian Journal of Physics	2018	0008-4204
Vague entropy measure for complex vague soft sets	Selvachandran G., Garg H., Quek S.G.	School of Mathematics	Entropy	2018	1099-4300
On some results in metric spaces using auxiliary simulation functions via new functions	Liu X.-L., Ansari A.H., Chandok S., Radenović S.	School of Mathematics	Journal of Computational Analysis and Applications	2018	1572-9206
Modeling and simulation of driver's anticipation effect in a two lane system on curved road with slope	Kaur R., Sharma S.	School of Mathematics	Physica A: Statistical Mechanics and its Applications	2018	0378-4371
Hydromagnetic flow of a heat radiating chemically reactive casson nanofluid past a stretching sheet with convective boundary conditions	Das M., Mahanta G., Parida S.B., Nandkeolyar R.	School of Mathematics	AIP Conference Proceedings	2018	0094-243X
Dispersion of rayleigh waves in a microstructural couple stress substrate loaded with liquid layer under the effects of gravity	Sharma V., Kumar S.	School of Mathematics	Archives of Acoustics	2018	2300-262X
A family of higher order derivative free methods for nonlinear systems with local convergence analysis	Bhalla S., Kumar S., Argyros I.K., Behl R., Motsa S.S	School of Mathematics	Computational and Applied Mathematics	2018	1807-0302
Higher-order modification of Steffensen's method for solving system of nonlinear equations	Bhalla S., Kumar S., Argyros I.K., Behl R., Motsa S.S.	School of Mathematics	Computational and Applied Mathematics	2018	0377-0427
Algorithms for interval-valued fuzzy soft sets in emergency decision making based on WDBA and CODAS with new information measure	Peng X., Garg H.	School of Mathematics	Computers and Industrial Engineering	2018	0360-8352
On combinatorics of modified lattice paths and generalized q-series	Rana M., Goyal M.	School of Mathematics	Contributions to Discrete Mathematics	2018	1715-0868
Combinatorial interpretations of mock theta functions by attaching weights	Sharma S., Rana M.	School of Mathematics	Discrete Mathematics	2018	0012-365X
Complex intuitionistic fuzzy power aggregation operators and their applications in multicriteria decision-making	Rani D., Garg H.	School of Mathematics	Expert Systems	2018	0957-4174
Simulation type functions and coincidence points	Radenović S., Chandok S.	School of Mathematics	Filomat	2018	0354-5180

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Comments on "Some new distance measures for type-2 fuzzy sets and distance measure based ranking for group decision making problems"	Singh S., Garg H.	School of Mathematics	Frontiers of Computer Science	2018	2095-2228
High-order IMEX-WENO finite volume approximation for nonlinear age-structured population model	Kumar S., Singh P.	School of Mathematics	International Journal of Computer Mathematics	2018	0020-7160
Love wave propagation in vertical heterogeneous fiber-reinforced stratum imperfectly bonded to a micropolar elastic substrate	Kaur T., Kumar S., Singh A.K.	School of Mathematics	International Journal of Geomechanics	2018	1532-3641
Exponential operation and aggregation operator for q-rung orthopair fuzzy set and their decision-making method with a new score function	Peng X., Dai J., Garg H.	School of Mathematics	International Journal of Intelligent Systems	2018	1098-111X
Steady-state dynamics of an inhomogeneous two-channel TASEP with Langmuir kinetics	Dhiman I., Gupta A.K.	School of Mathematics	International Journal of Modern Physics C	2018	1793-6586
Sustainable energy planning decision using the intuitionistic fuzzy analytic hierarchy process: choosing energy technology in Malaysia: necessary modifications	Al-Qudaimi A., Kumar A.	School of Mathematics	International Journal of Sustainable Energy	2018	1478-6451
Analysis of an industrial system under uncertain environment by using different types of fuzzy numbers	Garg H.	School of Mathematics	International Journal of Systems Assurance Engineering and Management	2018	0976-4348
Second-generation wavelet optimized finite difference method (SGWOFD) for solution of Burger's equation with different boundary conditions	Sharma D., Goyal K.	School of Mathematics	International Journal of Wavelets, Multiresolution and Information Processing	2018	0219-6913
Some finite p-groups with central automorphism group of non-minimal order	Sharma M., Kalra H., Gumber D.	School of Mathematics	Journal of Algebra and its Applications	2018	0219-4988
Effectiveness of magnetic field on the flow of Jeffrey fluid in an annulus with rotating concentric cylinders	Kumar D., Ramesh K., Chandok S.	School of Mathematics	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	1806-3691
An approach for analyzing the reliability and profit of an industrial system based on the cost free warranty policy	Niwas R., Garg H.	School of Mathematics	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	1806-3691
A novel (R, S)-norm entropy measure of intuitionistic fuzzy sets and its applications in multi-attribute decision-Making	Garg H., Kaur J.	School of Mathematics	Mathematics	2018	2227-7390
Commentary on "New aggregation operators of single-valued neutrosophic hesitant fuzzy set and their application in multi-attribute decision making"	Mishra A., Kumar A.	School of Mathematics	Pattern Analysis and Applications	2018	1433-755X

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Analyses of lattice hydrodynamic model using delayed feedback control with passing	Kaur R., Sharma S.	School of Mathematics	Physica A: Statistical Mechanics and its Applications	2018	0378-4371
Analyses of a heterogeneous lattice hydrodynamic model with low and high-sensitivity vehicles	Kaur R., Sharma S.	School of Mathematics	Physics Letters, Section A: General, Atomic and Solid State Physics	2018	0375-9601
Arithmetic Operations on Generalized Parabolic Fuzzy Numbers and Its Application	Garg H., Ansha	School of Mathematics	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2018	0369-8203
Effects of rotation and tidal distortions on the shapes of radial velocity curves of polytropic models of pulsating variable stars	Kumar T., Lal A.K., Pathania A.	School of Mathematics	Research in Astronomy and Astrophysics	2018	2397-6209
An integrated fuzzy approach for prioritizing supply chain complexity drivers of an Indian mining equipment manufacturer by Kavilal, E. G., Venkatesan, S. P., Kumar, K. D. H., [Resour. Policy 51 (2017) 204–218]: Suggested modification	Bhat S.A., Kumar A.	School of Mathematics	Resources Policy	2018	0301-4207
Performance evaluation of outsourcing decision using a BSC and fuzzy AHP approach: A case of the Indian coal mining organization by M., Modak, K., Pathak, K. K., Ghosh [Resour. Policy 52 (2017) 181–191]: Suggested modification	Bhat S.A., Kumar A.	School of Mathematics	Resources Policy	2018	0301-4207
A new fuzzy CCR data envelopment analysis model and its application to manufacturing enterprises	Bhardwaj B., Kaur J., Kumar A.	School of Mathematics	Studies in Fuzziness and Soft Computing	2018	1434-9922
Multi-criteria decision-making method based on prioritized muirhead mean aggregation operator under neutrosophic set environment	Garg H., Nancy	School of Mathematics	Symmetry	2018	2073-8994
A Quick Gbest Guided Artificial Bee Colony algorithm for stock market prices prediction	Shah H., Tairan N., Garg H., Ghazali R.	School of Mathematics	Symmetry	2018	2073-8994
Non-self mappings under common limit range property in symmetric spaces and fixed points	Chandok S., Kumar D.	School of Mathematics	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2018	2146-1147
Predicting total number of failures in a software using NHPP software reliability growth models	P. Panwar and A. K. Lal	School of Mathematics	Advances in Intelligent systems and computing	2014	2194-5357
LMTSOM					
Exploring suitability of cloud computing for small and medium-sized enterprises in India	Kumar, D., Samalia, H.V., Verma, P.	LMT School of Management	Journal of Small Business and Enterprise Development	2017	1462-6004

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Value Relevance of the Degree of Leverages	Gupta, P.K., Kumar, S., Verma, P.	LMT School of Management	International Journal of Business and Emerging Markets	2016	1753-6227
Growth Measures and Stock Returns	Arora, L., Kumar, S., Verma, P.	LMT School of Management	Indian Journal of Finance	2016	0973 - 8711
Interpretive Structural Modeling for integrating quality management in manufacturing and service counterparts	Goyal, G., Samalia, H.V., Verma, P.	LMT School of Management	International Journal of Quality and Reliability Management	2016	0265-671X
Mediating role of process simplification in process integration and upstream supply chain flexibility	Goyal, G., Samalia, H.V., Verma, P.	LMT School of Management	International Journal of Productivity and Performance Management	2017	1741-0401
The anatomy of sustainable growth rate of Indian manufacturing firms	Arora, L., Kumar, S., Verma, P.	LMT School of Management	Global Business Review	2018	0972-1509
Revisiting the asset pricing paradigm using sustainable growth rate	Arora, L., Kumar, S., Verma, P.	LMT School of Management	International Journal of Economics and Business Research	2018	1756-9869
Information systems road map to enhance economic and operational reverse logistics performance	Mahindroo, A., Samalia, H. V., Verma, P.	LMT School of Management	International Journal of Logistics Systems and Management	2018	1742-7967
Satisfaction and Problems of Health Insurance Policyholders in India	Dr. Arunesh Garg	LMT School of Management	International Journal of Banking, Risk and Insurance	2013	2320-7507
Moderated influence of return frequency and resource commitment on information systems and reverse logistics strategic performance	Ankit Mahindroo, Dr. Harsh Vardhan Samalia, Dr. Piyush Verma	LMT School of Management	International Journal of Productivity and Performance Management	2018	1741-0401
Information systems road map to enhance economic and operational reverse logistics performance	Ankit Mahindroo, Dr. Harsh Vardhan Samalia, Dr. Piyush Verma	LMT School of Management	International Journal of Logistics Systems and Management	2018	1742-7967
The Role of Organizational Culture and Process-Structure in Marketing Intelligence: Perspective of IT Professionals	Kanwal, S., Singh, G., Samalia, H. V.	LMT School of Management	Journal of Cases on Information Technology	2017	1548-7717
The Role of Marketing Intelligence in Brand Positioning: Perspective of Marketing Professionals	Kanwal, S., Samalia, H. V., Singh, G.,	LMT School of Management	Journal of Cases on Information Technology	2017	1548-7717
Critical Success Factors (CSFs) for Electronic Health Records (EHR) Implementation: An Exploratory Study in North India	Navneet Kaur Bajwa, Harjot Singh, Dr. K.K. De	LMT School of Management	International Journal of Healthcare Information Systems and Informatics	2017	1555-3396
Satisfaction levels and Recommendation Intentions of Healthcare Consumers: An Exploratory Study based on Multispecialty Hospitals in North India	Vishal Kamra, Harjot Singh, Dr. K.K. De	LMT School of Management	Indian Journal of Clinical Practice	2015	0971-0876
Usage Behaviour of Consumers for Mobile Phone Services in Punjab	Harjot Singh, Dr Raghbir Singh,	LMT School of Management	Indian Management Studies Journal	2013	0974-4355
Work-Life Balance and Employee Health: A Cross-Sectional Analysis of Manufacturing and Service Sectors	Mittal, K., Karminder jit Singh, Sharma, G.	LMT School of Management	Prabandhan: Indian Journal of Management	2017	0975-2854

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Impact of buy back of shares on firm value: An empirical evidence from India	P. Bhullar, D. Bhatnagar, Pradeep Kumar Gupta	LMT School of Management	Iranian Journal of Management Studies	2018	2008-7055
Volatility Risk Premium in Indian Option Prices	Sonia Garg, Vipul	LMT School of Management	Journal of Futures Markets	2015	1096-9934
Volatility Forecasting Performance of Two-Scale Realized Volatility	Sonia Garg, Vipul	LMT School of Management	Applied Financial Economics	2014	0960-3107
Infrastructure financing and economic growth in India: An Empirical Investigation	Varun Chotia, Prof NVM Rao	LMT School of Management	Journal of Financial Management of Property and Construction	2018	1366-4387
Healthcare Systems and Corporate Social Responsibility Communication: A Comparative Analysis between Malta and India	Tomaselli, G, Garg, Lalit, Gupta, Vipul, Xuereb, P	LMT School of Management	Journal of Global Information Management	2018	1062-7375
E-Marketing Strategies for Islamic Banking-A case based study	Roumieh A, Garg Lalit, Gupta, Vipul, Singh, Gurparkash	LMT School of Management	Journal of Global Information Management	2018	1062-7375
A Strategic and Operational Approach to Assess the Lean Performance in Radial Tyre Manufacturing in India: a case based study	Gupta, Vipul, Acharya, Padmanav, Patwardhan, Manoj	LMT School of Management	International Journal of Productivity and Performance Management	2013	1741-0401
SPMS					
Effect of momentum dependent interactions and nucleonic cross-section on directed flow (v1)	Jain A., Vinayak K.S., Kumar S.	SPMS	Annals of Physics	2013	0003-4916
Williamson-Hall study on synthesized nanocrystalline tungsten carbide (WC)	Singla G., Singh K., Pandey O.P.	SPMS	Applied Physics A: Materials Science and Processing	2013	1432-0630
Single step synthesis of tungsten carbide (WC) nanoparticles from scheelite ore	Singh H., Pandey O.P.	SPMS	Ceramics International	2013	0272-8844
Dielectric, ferroelectric, magnetic and magnetoelectric properties of 0.1Ni0.8Zn0.2Fe2O4-0.9Pb 1-3x/2SmxZr0.65Ti0.35O3 magnetoelectric composites	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Ceramics International	2013	0272-8848
Structural and dielectric properties of Bi1-xSr xMnO3 (0.40≤x≤0.55)	Thakur S., Pandey O.P., Singh K.	SPMS	Ceramics International	2013	0272-8849
Effect of dual reinforced ceramic particles on high temperature tribological properties of aluminum composites	Kumar S., Panwar R.S., Pandey O.P.	SPMS	Ceramics International	2013	0272-8851
Dielectric properties of Ti substituted Bi2-xTixO3+x/2 ceramics	Singla G., Singh K.	SPMS	Ceramics International	2013	0272-8852
Direct synthesis of nanocrystalline tungsten carbide from scheelite ore by solid state reaction method	Singh H., Pandey O.P.	SPMS	Ceramics International	2013	0272-8853
Magnetoelectric coupling in multiferroic BiFeO3 nanowires	Lotey G.S., Verma N.K.	SPMS	Chemical Physics Letters	2013	0009-2614
Gd-doped BiFeO3 nanoparticles - A novel material for highly efficient dye-sensitized solar cells	Lotey G.S., Verma N.K.	SPMS	Chemical Physics Letters	2013	0009-2614

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Structural, thermal and electrical study of Ca ₂ +, Sr ²⁺ Substituted BiFeO ₃ for IT-SOFC	Thakur S., Pandey O.P., Singh K.	SPMS	ECS Transactions	2013	1938-5862
An application of PCA and fuzzy C-means to delineate management zones and variability analysis of soil	Bansod B.S., Pandey O.P.	SPMS	Eurasian Soil Science	2013	1556-195X
Strange mass corrections to hyperonic semi-leptonic decays in statistical model	Upadhyay A., Batra M.	SPMS	European Physical Journal A	2013	1434-601X
Detailed balance and spin content of λ using statistical model	Batra M., Upadhyay A.	SPMS	International Journal of Modern Physics A	2013	1793-656X
Electro-optical studies in a ferroelectric liquid crystal mixture	Singh R., Raina K.K.	SPMS	International Journal of Modern Physics B	2013	1793-6578
Nuclear reaction cross-section for drip-line nuclei in the framework of glauher model using relativistic and nonrelativistic densities	Sharma M.K., Mehta M.S., Patra S.K.	SPMS	International Journal of Modern Physics E	2013	1793-6608
Single step synthesis of nano vanadium carbide - V ₈ C ₇ phase	Mahajan M., Singh K., Pandey O.P.	SPMS	International Journal of Refractory Metals and Hard Materials	2013	0263-4368
Size-dependent magnetic properties of calcium ferrite nanoparticles	Khanna L., Verma N.K.	SPMS	Journal of Magnetism and Magnetic Materials	2013	0304-8853
Study of 0.1Ni 0.8Zn 0.2Fe 2O ₄ -0.9Pb 1-3x/2La xZr 0.65Ti 0.35O ₃ magnetoelectric composites	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Journal of Magnetism and Magnetic Materials	2013	0304-8853
Structural, electrical, magnetic and magnetoelectric properties of composites	Rani R., Juneja J.K., Singh S., Prakash C., Raina K.K.	SPMS	Journal of Magnetism and Magnetic Materials	2013	0304-8853
Effect of particle size on wear of particulate reinforced aluminum alloy composites at elevated temperatures	Kumar S., Pandey R., Panwar R.S., Pandey O.P.	SPMS	Journal of Materials Engineering and Performance	2013	1059-9495
High temperature sliding wear of spray-formed solid-lubricated aluminum matrix composites	Kaur K., Pandey O.P.	SPMS	Journal of Materials Engineering and Performance	2013	1059-9495
Study of wear behavior of Zircon sand-reinforced LM13 alloy composites at elevated temperatures	Panwar R.S., Pandey O.P.	SPMS	Journal of Materials Engineering and Performance	2013	1059-9495
Study on reflectivity and photostability of Al-doped TiO ₂ nanoparticles and their reflectors	Kumar S., Verma N.K., Singla M.L.	SPMS	Journal of Materials Research	2013	2044-5326
Study on CaCO ₃ -coated ZnO nanoparticles based dye sensitized solar cell	Kaur M., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X
Ferromagnetism in Fe-doped CdSe nanorods prepared by solvothermal route	Singh J., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X
Size-dependent magnetic and dielectric properties of Tb-doped BiFeO ₃ nanoparticles	Dhir G., Lotey G.S., Uniyal P., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X

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Magnetodielectric properties of rare earth metal-doped BiFeO ₃ nanoparticles	Lotey G.S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X
Performance of Eu ₂ O ₃ coated ZnO nanoparticles-based DSSC	Kaur M., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X
Room temperature ferromagnetism in Tb-doped ZnO dilute magnetic semiconducting nanoparticles	Lotey G.S., Singh J., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X
Structural and optical properties of Eu ₂ O ₃ coated TiO ₂ nanoparticles and their application for dye sensitized solar cell	Kaur M., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2013	1573-482X
Influence of ZnO nanoparticle concentration on electro-optic and dielectric properties of ferroelectric liquid crystal mixture	Chaudhary A., Malik P., Mehra R., Raina K.K.	SPMS	Journal of Molecular Liquids	2013	0167-7322
Gamma ray irradiation effects on the optical properties of BaO-Na ₂ O-B ₂ O ₃ -SiO ₂ glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Absorption spectroscopic studies on gamma irradiated bismuth borosilicate glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Influence of CdO and gamma irradiation on the infrared absorption spectra of borosilicate glass	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Erratum: Gamma ray irradiation effects on the optical properties of BaO-Na ₂ O-B ₂ O ₃ -SiO ₂ glasses (Journal of Molecular Structure (2013) 1048C (78-82))	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2013	0022-2860
Multiferroic properties of Tb-doped BiFeO ₃ nanowires	Lotey G.S., Verma N.K.	SPMS	Journal of Nanoparticle Research	2013	1388-0764
Folic acid conjugated magnetic drug delivery system for controlled release of doxorubicin	Andhariya N., Upadhyay R., Mehta R., Chudasama B.	SPMS	Journal of Nanoparticle Research	2013	1388-0764
Effect of pH on photocatalytic activity of capped ZnS nanoparticles	Kaur J., Sharma M., Pandey O.P.	SPMS	Journal of Nanoscience and Nanotechnology	2013	1533-4899
Structural and thermal properties of Na ₂ S-P ₂ S ₅ glass and glass ceramics	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Non-Crystalline Solids	2013	0022-3093
Simulation of thermal stress within diffusion couple of composite seals with Crofer 22APU for solid oxide fuel cells applications	Kaur G., Homa D., Singh K., Pandey O.P., Scott B., Pickrell G.	SPMS	Journal of Power Sources	2013	0378-7753
Structural and thermal properties of glass composite seals and their chemical compatibility with Crofer 22APU for solid oxide fuel cells applications	Kaur G., Singh K., Pandey O.P., Homa D., Scott B., Pickrell G.	SPMS	Journal of Power Sources	2013	0378-7753

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A comparison of modifications induced by Li ³⁺ and Ag ¹⁴⁺ ion beam in spectroscopic properties of bismuth alumino-borosilicate glass thin films	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Spectroscopy	2013	2314-4939
Structural, electrical and magnetic properties of microwave processed Ni _{0.80} Zn _{0.20} Fe ₂ O ₄	Rani R., Singh S., Raina K.K., Prakash C.	SPMS	Key Engineering Materials	2013	1662-9795
Effect of transition metal salt additive on the structural packing and thermal stability of the non-aqueous lyotropic mesophases	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2013	1366-5855
Structural, optical and magnetic properties of cobalt-doped CdS dilute magnetic semiconducting nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Materials Chemistry and Physics	2013	0254-0584
Diffuse reflectance and reflective flexible coatings of capped ZnS nanoparticles	Kumar S., Verma N.K., Singla M.L.	SPMS	Materials Chemistry and Physics	2013	0254-0584
Unusual near-band-edge photoluminescence at room temperature in heavily-doped ZnO:Al thin films prepared by pulsed laser deposition	Mohanty B.C., Yeon D.H., Das S.N., Kwak J.H., Yoon K.H., Cho Y.S.	SPMS	Materials Chemistry and Physics	2013	0254-0584
Magnetoelectric coupling in multiferroic Tb-doped BiFeO ₃ nanoparticles	Lotey G.S., Verma N.K.	SPMS	Materials Letters	2013	0167-577X
Reduction of WO ₃ to WC nanoparticles by the reflux reaction	Kumar R., Kumar A., Singh S., Pandey O.P.	SPMS	Materials Science	2013	1573-885X
Silica/potassium ferrite nanocomposite: Structural, morphological, magnetic, thermal and in vitro cytotoxicity analysis	Khanna L., Verma N.K.	SPMS	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	2013	0921-5107
Structural and photoluminescence properties of Eu-doped ZnS nanoparticles	Singh Lotey G., Jindal Z., Singhi V., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2013	1369-8001
Synthesis, characterization and in vitro cytotoxicity study of calcium ferrite nanoparticles	Khanna L., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2013	1369-8001
Performance of dye-sensitized solar cell fabricated using titania nanoparticles calcined at different temperatures	Manveen K., Verma N.K.	SPMS	Materials Science- Poland	2013	2083-134X
Wear behavior at high temperature of dual-particle size zircon-sand-reinforced aluminum alloy composite	Kumar S., Panwar R.S., Pandey O.P.	SPMS	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	2013	1073-5623
A novel approach for direct synthesis of nanocrystalline tungsten carbide from milled scheelite ore	Singh H., Pandey O.P.	SPMS	Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science	2013	1073-5615

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Modifications induced in the structural and optical properties of bismuth sodium borosilicate glass thin films by 120 MeV Ag ⁷⁺ ions	Kaur R., Singh S., Pandey O.P.	SPMS	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	2013	0168-9002
Formation and decay cross sections of ⁶⁶ As* formed in an exotic proton-halo ⁸ B induced reaction	Kaur G., Jain D., Kumar R., Sharma M.K.	SPMS	Nuclear Physics A	2013	0375-9474
Effect of deformation and orientation on interaction barrier and fusion cross-sections using various proximity potentials	Jain D., Kumar R., Sharma M.K.	SPMS	Nuclear Physics A	2013	0375-9474
Nickel nanoparticles doped ferroelectric liquid crystal composites	Neeraj, Raina K.K.	SPMS	Optical Materials	2013	0925-3467
Observation of memory behaviour in cadmium sulphide nanorods doped ferroelectric liquid crystal mixture	Chaudhary A., Malik P., Mehra R., Raina K.K.	SPMS	Phase Transitions	2013	1029-0338
Study on structural, dielectric, ferroelectric and piezoelectric properties of Ba doped Lead Zirconate Titanate Ceramics	Dipti, Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Physica B: Condensed Matter	2013	0921-4526
Structural and optical properties of melt quenched barium doped bismuth vanadate	Gupta S., Singh K.	SPMS	Physica B: Condensed Matter	2013	0921-4526
PEG/CaFe ₂ O ₄ nanocomposite: Structural, morphological, magnetic and thermal analyses	Khanna L., Verma N.K.	SPMS	Physica B: Condensed Matter	2013	0921-4526
Effect of Sm on dielectric, ferroelectric and piezoelectric properties of BPTNZ system	Kumar P., Juneja J.K., Prakash C., Raina K.K., Singh S.	SPMS	Physica B: Condensed Matter	2013	0921-4526
On the fragment mass independence of balance energy	Jain A., Kumar S.	SPMS	Physica Scripta	2013	1402-4896
Dependence of the energy of vanishing flow on different components of the nuclear potential	Kaur M., Kaur V., Kumar S.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Theoretical study of odd-mass Fr isotopes using the collective clusterization approach of the dynamical cluster-decay model	Sawhney G., Kaur G., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
One-neutron and noncompound-nucleus decay contributions in the ¹² C+ ⁹³ Nb reaction at energies near and below the fusion barrier	Chopra S., Bansal M., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Fusion-evaporation residues and α -decay chains of the superheavy element Z=115 formed in the ²⁴³ Am + ⁴⁸ Ca reaction using the dynamical cluster-decay model	Kumar R., Sandhu K., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Reaction dynamics of Pt* isotopes formed using stable and radioactive Sn beams	Jain D., Kumar R., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993

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Nuclear reaction cross sections from a simple effective density using a Glauber model	Sharma M.K., Patra S.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Decay of $^{150,158}\text{Tb}^*$ nuclear systems formed in reactions induced by loosely bound ^6Li	Kaur G., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2013	2469-9993
Optimizing the rapidity limit for nuclear stopping in intermediate energy heavy-ion collisions	Vinayak K.S., Kumar S.	SPMS	Physics of Atomic Nuclei	2013	1562-692X
Assessment of multifragmentation under the effect of symmetry energy	Bansal R., Kumar S.	SPMS	Physics of Particles and Nuclei Letters	2013	1531-8567
Structural and thermal properties of in-situ reduced WO_3 to W powder	Singla G., Singh K., Pandey O.P.	SPMS	Powder Technology	2013	0032-5910
Effect of voltage sweep direction on the performance evaluation of P3HT: PCBM solar cells	Kumar P., Sharma A., Singh D.P.	SPMS	Progress in Photovoltaics: Research and Applications	2013	1099-159X
Effect of swift heavy ions on structural and optical properties of bismuth based aluminoborosilicate glasses	Kaur R., Singh S., Singh K., Pandey O.P.	SPMS	Radiation Physics and Chemistry	2013	0969-806X
Agrowth kinetic study of ultrafine monodispersed silver nanoparticles	Chandni, Andhariya N., Pandey O.P., Chudasama B.	SPMS	RSC Advances	2013	2046-2069
Multiferroism in rare earth metals-doped BiFeO_3 nanowires	Lotey G.S., Verma N.K.	SPMS	Superlattices and Microstructures	2013	0749-6036
Phase-dependent multiferroism in Dy-doped BiFeO_3 nanowires	Lotey G.S., Verma N.K.	SPMS	Superlattices and Microstructures	2013	0749-6036
Microstructural analysis of glass-steel interface	Kaur B., Singh K., Pandey O.P.	SPMS	Surface and Coatings Technology	2013	0257-8972
Corrosion study of $\text{SiO}_2\text{-CaO-Al}_2\text{O}_3\text{-Na}_2\text{O-TiO}_2$ glass coating on steel	Kaur B., Singh K., Pandey O.P.	SPMS	Surface Engineering	2013	1743-2944
Lateral grain size effect on exchange bias in polycrystalline NiFe/FeMn bilayer films	Hsu J.-H., Sun A.-C., Sharma P.	SPMS	Thin Solid Films	2013	0040-6090
Study of the Structural and Electrical Behaviour of Ca Doped La_2O_3 Electrolyte Material	Sood K., Singh K., Pandey O.P.	SPMS	Transactions of the Indian Ceramic Society	2013	2165-5456
$\text{Na}_2\text{S-P}_2\text{S}_5$ Based Super-Ionic Glasses for Solid Electrolytes	Kumar Jha P., Pandey O.P., Singh K.	SPMS	Transactions of the Indian Ceramic Society	2013	2165-5456
Chemo-responsive, self-oscillating gels that undergo biomimetic communication	O. Kuksenok, P. Dayal, A. Bhattacharya, V. V. Yashin, Debabrata Deb, I. C. Chen, K. J. van Vliet, A. C. Balazs	SPMS	Chem. Soc. Rev.	2013	1460-4744
In situ magnetic field-assisted low temperature atmospheric growth of nanowires via the vapor-liquid-solid mechanism	Kim J.S., Mohanty B.C., Han C.S., Han S.J., Ha G.H., Lin L., Cho Y.S.	SPMS	ACS Applied Materials and Interfaces	2014	1944-8252

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Analyzing the role of fragment charge on nuclear stopping for symmetric colliding nuclei	Jain A., Sahil T., Kumar S.	SPMS	Acta Physica Polonica B	2014	1509-5770
Multiferroic properties of 0.05 NZF-0.95 Ba _{0.9-3x} /2Sr _{0.1} LaxTiO ₃ magnetoelectric composites	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Advanced Materials Letters	2014	0976-3961
Enhanced efficiency of au-deposited BiFeO ₃ nanoparticles based dye-sensitized solar cells	Verma N.K., Kaur I., Kaur K., Lotey G.S.	SPMS	Advanced Materials Research	2014	1662-8985
Importance of Nonperturbative QCD Parameters for Bottom Mesons	Upadhyay A., Batra M.	SPMS	Advances in High Energy Physics	2014	1687-7365
Eta prime gluonic contribution to the nucleon self-energy in an effective theory	Upadhyay A., Singh J.P.	SPMS	Advances in High Energy Physics	2014	1687-7365
Photocatalytic degradation of azo dyes using Zn-doped and undoped TiO ₂ nanoparticles	Singla P., Sharma M., Pandey O.P., Singh K.	SPMS	Applied Physics A: Materials Science and Processing	2014	1432-0630
RF power dependence of refractive index of room temperature sputtered ZnO:Al thin films	Mohanty B.C., Yeon D.H., Yun J.H., Cho J.S., Cho Y.S.	SPMS	Applied Physics A: Materials Science and Processing	2014	1432-0630
Decay Mechanism of ^{290,292} 114* Superheavy Nuclei Formed in 48Ca-Induced Reactions	Sandhu K., Sharma M.K.	SPMS	Brazilian Journal of Physics	2014	1678-4448
Study of Reaction Cross Section of Light Mass Nuclei Using Glauber Formalisms	Sharma M.K., Panda R.N., Sharma M.K., Patra S.K.	SPMS	Brazilian Journal of Physics	2014	1678-4448
Optical, mechanical and TEM assessment of titania-doped Bi ₂ V _{1-x} Ti _x O _{5-5-δ} bismuth vanadate oxides	Kaur G., Pickrell G., Kumar V., Pandey O.P., Singh K., Homa D.	SPMS	Bulletin of Materials Science	2014	0973-7669
Structural, optical and magnetic properties of cobalt-doped CdSe nanoparticles	Singh J., Verma N.K.	SPMS	Bulletin of Materials Science	2014	0973-7669
Synthesis, characterization, photocatalytic and reusability studies of capped ZnS nanoparticles	Kaur J., Sharma M., Pandey O.P.	SPMS	Bulletin of Materials Science	2014	0973-7669
Structural and thermal analysis of in situ synthesized C-WC nanocomposites	Singla G., Singh K., Pandey O.P.	SPMS	Ceramics International	2014	0272-8854
Structural and optical properties of quenched and heat-treated Bi ₄ V _{2-x} Mg _x O _{11-δ} (0.0 ≤ x ≤ 0.20)	Gupta S., Singh K.	SPMS	Ceramics International	2014	0272-8855
High DC resistivity in microwave sintered Li _{0.49} Zn _{0.02} Mn _{0.06} Fe _{2.43} O ₄ ferrites	Kumar P., Juneja J.K., Prakash C., Singh S., Shukla R.K., Raina K.K.	SPMS	Ceramics International	2014	0272-8856
Antibacterial activities of silver nanoparticles and antibiotic-adsorbed silver nanoparticles against biorecycling microbes	Khurana C., Vala A.K., Andhariya N., Pandey O.P., Chudasama B.	SPMS	Environmental Sciences: Processes and Impacts	2014	2050-7895
Effect of TiO ₂ on the photocatalytic properties of bismuth oxide	Singla G., Singh K.	SPMS	Environmental Technology (United Kingdom)	2014	1479-487X

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Systematic analysis of hot Yb* isotopes using the energy density formalism	Jain D., Sharma M.K., Rajni, Kumar R., Gupta R.K.	SPMS	European Physical Journal A	2014	1434-601X
Dynamics of $58\text{Ni} + 54\text{Fe} \rightarrow 112\text{Xe}^*$ reaction across the coulomb barrier	Kaur M., Sharma M.K.	SPMS	European Physical Journal A	2014	1434-601X
Role of nuclear deformations and proximity interactions in heavy particle radioactivity	Sawhney G., Sandhu K., Sharma M.K., Gupta R.K.	SPMS	European Physical Journal A	2014	1434-601X
Interaction study of yttria-based glasses with high-temperature electrolyte for SOFC	Kumar V., Pandey O.P., Singh K., Lu K.	SPMS	Fuel Cells	2014	1615-6854
Fabrication of L11 Phase CoPt Film on Glass Substrate with [Co/Pt] Multilayer Structure	Huang C.-F., Sun A.-C., Wu H.-Y., Yuan F.-T., Hsu J.-H., Hsiao S.-N., Lee H.-Y., Lu H.-C., Wang S.-F., Sharma P.	SPMS	IEEE Transactions on Magnetics	2014	0018-9464
Electrical and magnetic properties of multiferroic (1-x) BiFeO ₃ -x CoFe ₂ O ₄ nanocomposite thin films derived by sol-gel process	Tyagi M., Kumari M., Chatterjee R., Sun A.-C., Sharma P.	SPMS	IEEE Transactions on Magnetics	2014	0018-9464
Structure and magnetic properties of Ba _{1-x} La _x Fe ₁₂ O ₁₉ Prepared by Ba _{1-x} La _x Fe ₂ O ₄	Verma S., Sharma P., Pandey O.P., Paesano Jr. A., Sun A.-C.	SPMS	IEEE Transactions on Magnetics	2014	0018-9464
Effect of controlled doping on electrical properties and permittivity of PTSA doped polyanilines and their EMI shielding performance	Saini P., Arora M., Arya S.K., Tawale J.S.	SPMS	Indian Journal of Pure and Applied Physics	2014	0975-1041
Estimation of volume dependence of Grüneisen parameter for NaCl and ε-Fe	Kumar S., Sharma S.K., Pandey O.P.	SPMS	Indian Journal of Pure and Applied Physics	2014	0975-1041
Electronic microscopic, thermal and electrical properties of Bi ₂ V _{1-x} Ti _x O _{5.5-6} (0.05 ≤ x ≤ 0.20) oxide ion conductors	Kaur G., Pandey O.P., Singh K.	SPMS	Indian Journal of Pure and Applied Physics	2014	0975-1041
Properties of ferroelectric liquid crystal/multiwall carbon nanotube doped composite	Khushboo, Jayoti D., Malik P., Chaudhary A., Mehra R., Raina K.K.	SPMS	Integrated Ferroelectrics	2014	1607-8489
Magnetic-time model at off-season germination	Mahajan T.S., Pandey O.P.	SPMS	International Agrophysics	2014	0236-8722
Self-healing behavior of barium-lanthanum-borosilicate glass and its reactivity with different electrolytes for sofc applications	Kaur G., Pandey O.P., Singh K.	SPMS	International Journal of Applied Ceramic Technology	2014	1744-7402
Effect of Thermal Treatment on Chemical Interaction Between Yttrium Borosilicate Glass Sealants and YSZ for Planar Solid Oxide Fuel Cells	Kumar V., Kaur G., Pandey O.P., Singh K., Lu K.	SPMS	International Journal of Applied Glass Science	2014	2041-1294
Comparative study of 2mol% Li- and Mn-substituted lead-free potassium sodium niobate ceramics	Dahiya A., Thakur O.P., Juneja J.K., Singh S., Dipti	SPMS	International Journal of Minerals, Metallurgy and Materials	2014	1869-103X
Fragment mass identification and related aspects in the decay of $^{40}\text{Ca}^*$ and $^{39}\text{K}^*$ nuclei	Kaur G., Sharma M.K.	SPMS	International Journal of Modern Physics E	2014	1793-6608

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Isospin effects on pt-differential flow in heavy ion collisions at intermediate energies	Bansal R., Jain A., Kumar S.	SPMS	International Journal of Modern Physics E	2014	1793-6608
Analysis of fragment distribution and associated effects in 12,13C induced reactions	Kaur M., Sharma M.K., Sharma M.K.	SPMS	International Journal of Modern Physics E	2014	1793-6608
Structural and growth kinetics of in-situ reduced V2O5	Mahajan M., Singh K., Pandey O.P.	SPMS	International Journal of Refractory Metals and Hard Materials	2014	0263-4368
Structural and optical properties of La and Gd substituted Bi4-xMxV2O11-δ (0.1 ≤ x ≤ 0.3)	Thakur S., Devi M., Singh K.	SPMS	Ionics	2014	1862-0760
Enhancement in grain and grain boundary resistivity of BPZT ceramics by two stage sintering	Kumar P., Juneja J.K., Prakash C., Singh S., Raina K.K.	SPMS	Journal of Alloys and Compounds	2014	0925-8388
Structural, dielectric and ferroelectric properties of PLZFNT ceramics	Kumar P., Singh P., Juneja J.K., Raina K.K., Pant R.P., Prakash C., Singh S.	SPMS	Journal of Alloys and Compounds	2014	0925-8388
A review of bioactive glasses: Their structure, properties, fabrication and apatite formation	Kaur G., Pandey O.P., Singh K., Homa D., Scott B., Pickrell G.	SPMS	Journal of Biomedical Materials Research - Part A	2014	1552-4965
Antibacterial activity of silver: The role of hydrodynamic particle size at nanoscale	Khurana C., Vala A.K., Andhariya N., Pandey O.P., Chudasama B.	SPMS	Journal of Biomedical Materials Research - Part A	2014	1552-4965
Dielectric, ferroelectric and ferromagnetic properties of x Ni 0.8Zn0.2Fe2O4-(1-x) Pb 0.99La0.02Zr0.65Ti0.35O3 composites	Rani R., Singh S., Juneja J.K., Raina K.K., Prakash C.	SPMS	Journal of Electroceramics	2014	1573-8663
One Step Synthesis and Growth Mechanism of Carbon Nanotubes	Kumar A., Singh K., Pandey O.P.	SPMS	Journal of Materials Science and Technology	2014	1005-0302
CaCO3/TiO2 nanoparticles based dye sensitized solar cell	Kaur M., Verma N.K.	SPMS	Journal of Materials Science and Technology	2014	1005-0302
Synthesis, Characterization and Biocompatibility of Potassium Ferrite Nanoparticles	Khanna L., Verma N.K.	SPMS	Journal of Materials Science and Technology	2014	1005-0302
Ferromagnetic and weak superparamagnetic like behavior of Ni-doped ZnS nanocrystals synthesized by reflux method	Kumar S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X
Effect of Ni-doping on optical and magnetic properties of solvothermally synthesized ZnS wurtzite nanorods	Kumar S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X
Optical and magnetic properties of Fe-doped CdS dilute magnetic semiconducting nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X
Ferromagnetism in Gd-doped CdS dilute magnetic semiconducting nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X

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Enhancement of room temperature ferromagnetism in Cd _{1-x} Ni _x Se nanoparticles	Singh J., Kumar S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X
Oxygen vacancy induced dielectric relaxation studies in Bi _{4-x} La _x Ti ₃ O ₁₂ (x = 0.0, 0.3, 0.7, 1.0) ceramics	Bhardwaj S., Paul J., Chand S., Raina K.K., Kumar R.	SPMS	Journal of Materials Science: Materials in Electronics	2014	1573-482X
Structural and optical properties of Bi _{1-x} A _x FeO ₃ (A = Sr, Ca; 0.40 ≤ x ≤ 0.55)	Thakur S., Pandey O.P., Singh K.	SPMS	Journal of Molecular Structure	2014	0022-2860
UV-vis spectroscopic studies of gamma irradiated lead sodium borosilicate glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Journal of Molecular Structure	2014	0022-2860
Photocatalytic studies of crystal violet dye using Mn doped and PVP capped ZnO nanoparticles	Mittal M., Sharma M., Pandey O.P.	SPMS	Journal of Nanoscience and Nanotechnology	2014	1533-4899
Effect of in-situ reduction of Fe ₃ on physical, structural and optical properties of calcium sodium silicate glasses and glass ceramics	Singh S., Singh K.	SPMS	Journal of Non-Crystalline Solids	2014	0022-3093
Isospin effects on the system mass dependence of nuclear stopping around the energy of vanishing flow	Jain A., Kumar S.	SPMS	Journal of Physics G: Nuclear and Particle Physics	2014	1361-6471
Neutron-halo structure of light nuclei studied with effects of deformations and orientations included	Sawhney G., Sharma M.K., Gupta R.K.	SPMS	Journal of Physics G: Nuclear and Particle Physics	2014	1361-6471
Structural and electrical behavior of Ba-doped LaGaO ₃ composite electrolyte	Sood K., Singh K., Pandey O.P.	SPMS	Journal of Renewable and Sustainable Energy	2014	1941-7012
Multiferroic properties of (Bi _{0.9} Gd _{0.1} FeO) _{1-x} (BaTiO ₃) _x ceramics	Uniyal P., Lotey G.S., Gautam A., Verma N.K., Yadav K.L.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Room Temperature Magnetism in Cobalt-Doped ZnS Nanoparticles	Kumar S., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Correlation Between Structure and Ferromagnetism in Cobalt-Doped CdSe Nanorods	Singh J., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Effect of particle size on magnetic and dielectric properties of nanoscale Dy-doped BiFeO ₃	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2014	1557-1947
Influence of Ca ²⁺ substitution on thermal, structural, and conductivity behavior of Bi _{1-x} Ca _x FeO _{3-y} (0.40 ≤ x ≤ 0.55)	Thakur S., Pandey O.P., Singh K.	SPMS	Journal of Thermal Analysis and Calorimetry	2014	1588-2926
Fast switching response and dielectric behaviour of fullerene/ferroelectric liquid crystal nanocolloids	Shukla R.K., Raina K.K., Haase W.	SPMS	Liquid Crystals	2014	1366-5855

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Enhanced ordering in polymer stabilised ferroelectric liquid crystal guest-host composites: evidence by polarised fluorescence spectroscopy	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Effect of solvent polarity on the self-assembly and dielectric dynamics of non-aqueous lyotropic liquid crystalline phases	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Electro-optic and molecular relaxation behaviour of fluoro substituted achiral unsymmetrical four-ring bent-core mesogen	Paul M.K., Kumar R., Chakraborty N., Raina K.K., Rao N.V.S.	SPMS	Liquid Crystals	2014	1366-5855
Electrically modulated fluorescence in optically active polymer stabilised cholesteric liquid crystal shutter	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Structural and dielectric behaviour of non-aqueous lyotropic mixtures: Influence of amphiphile chain lengths and counter ions	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Influence of single-wall carbon nanotubes on Langmuir-Blodgett films of ferroelectric liquid crystals as studied by atomic force microscopy	Kaur R., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Effect of dispersion of gold nanoparticles on the optical and electrical properties of discotic liquid crystal	Supreet, Pratibha R., Kumar S., Raina K.K.	SPMS	Liquid Crystals	2014	1366-5855
Biocompatibility and superparamagnetism in novel silica/CaFe ₂ O ₄ nanocomposite	Khanna L., Verma N.K.	SPMS	Materials Letters	2014	0167-577X
Structural, magnetic, dielectric and magnetodielectric properties of Gd-doped CdS nanorods	Kaur K., Lotey G.S., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2014	1369-8001
Effect of particle size on multiferroism of barium-doped bismuth ferrite nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2014	1369-8001
Synthesis and characterization of BiFeO ₃ nanowires and their applications in dye-sensitized solar cells	Lotey G.S., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2014	1369-8001
Effect of Ni-doping concentration on structural, optical and magnetic properties of CdSe nanorods	Singh J., Kumar S., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2014	1369-8001
A hydrogen gas sensor using a Pt-sputtered MWCNTs/ZnO nanostructure	Dhall S., Sood K., Jaggi N.	SPMS	Measurement Science and Technology	2014	1361-6501
Nuclear structure and reaction properties of Ne, Mg and Si isotopes with RMF densities	Panda R.N., Sharma M.K., Patra S.K.	SPMS	Modern Physics Letters A	2014	1793-6632
Study of various potentials in heavy-ion collisions at intermediate energies	Kaur V., Kaur M., Kumar S.	SPMS	Nuclear Data Sheets	2014	0090-3752
Strange and non-strange sea quark-gluon effects in nucleons	Batra M., Upadhyay A.	SPMS	Nuclear Physics A	2014	0375-9474

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Dynamics of $\text{Ca40,48+238U} \rightarrow 278,286112^*$ reactions across the Coulomb barrier using dynamical cluster decay model	Sandhu K., Kaur G., Sharma M.K.	SPMS	Nuclear Physics A	2014	0375-9474
Role of rotational energy and deformations in the dynamics of Li6+Zr90 reaction	Kaur G., Grover N., Sandhu K., Sharma M.K.	SPMS	Nuclear Physics A	2014	0375-9474
Influence of isospin dependent nuclear charge radii on fragmentation in heavy ion collisions	Sangeeta, Jain A., Kumar S.	SPMS	Nuclear Physics A	2014	0375-9474
Entrance channel effect with stable and radioactive beams using dynamical cluster decay model	Kumar R., Jain D.	SPMS	Nuclear Physics A	2014	0375-9474
Effect of co-doping metal ions (Li^+ , Na^+ and K^+) on the structural and photoluminescent properties of nano-sized Y2O3:Eu3+ synthesized by co-precipitation method	Kumar D., Sharma M., Pandey O.P.	SPMS	Optical Materials	2014	0925-3467
Self-trapped elliptical super-Gaussian beam in cubic-quintic media	Jana S., Singh A., Porsezian K., Mithun T.	SPMS	Optics Communications	2014	0030-4018
Effect of Ca substitution on structural, magnetic and dielectric properties of BiFeO3	Thakur S., Pandey O.P., Singh K.	SPMS	Phase Transitions	2014	1029-0338
Dielectric modulus and magnetocapacitance behavior of $\text{Bi 3.75Sm0.3Ti2.7Fe0.3O12}$ multiferroic	Bhardwaj S., Paul J., Raina K.K., Thakur N.S., Kumar R.	SPMS	Physica B: Condensed Matter	2014	0921-4526
Comparison of structural and magnetic properties of La3+ substituted BaFe12O19 prepared by different substitution methods	Verma S., Pandey O.P., Paesano Jr. A., Sharma P.	SPMS	Physica B: Condensed Matter	2014	0921-4526
Raman scattering spectra, magnetic and ferroelectric properties of BiFeO3-CoFe2O4 nanocomposite thin films structure	Tyagi M., Kumari M., Chatterjee R., Sharma P.	SPMS	Physica B: Condensed Matter	2014	0921-4526
Effect of two different sites substitution on structural and optical properties of $\text{Bi4V2O11-}\delta$	Kaur R., Thakur S., Singh K.	SPMS	Physica B: Condensed Matter	2014	0921-4526
Multiwall carbon nanotubes doped ferroelectric liquid crystal composites: A study of modified electrical behavior	Neeraj, Raina K.K.	SPMS	Physica B: Condensed Matter	2014	0921-4526
Analyzing the role of isospin content and colliding geometry on the transition energy for symmetric colliding nuclei	Jain A., Kumar S.	SPMS	Physica Scripta	2014	1402-4896
Formation and decay of Pb 200^* using different incoming channels	Rajni, Kumar R., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2014	2469-9993
Decay and related stability aspects of the $\text{Rf}^* 104266$ nucleus formed in the $\text{O 18} + \text{Cm 248}$ reaction	Sandhu K., Sharma M.K., Kaur A., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2014	2469-9993

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Correlation of glass stability (GS) and heating rates using inflection point temperature	Kaur G., Kumar V., Singh K., Pandey O.P., Pickrell G.	SPMS	Physics and Chemistry of Glasses: European Journal of Glass Science and Technology Part B	2014	1753-3562
Dynamics of light, intermediate, heavy and superheavy nuclear systems formed in heavy-ion collisions	Sharma M.K., Kaur G.	SPMS	Pramana - Journal of Physics	2014	0973-7111
Impact of density-dependent symmetry energy and Coulomb interactions on the evolution of intermediate mass fragments	Vinayak K.S., Kumar S.	SPMS	Pramana - Journal of Physics	2014	0973-7111
Single step synthesis of pluronic stabilized IR responsive gold nanoplates	Kaur P., Chudasama B.	SPMS	RSC Advances	2014	2046-2069
UV-Visible light induced photocatalytic studies of Cu doped ZnO nanoparticles prepared by co-precipitation method	Mittal M., Sharma M., Pandey O.P.	SPMS	Solar Energy	2014	0038-092X
Structural variation in gamma ray irradiated PbO-Na ₂ O-B ₂ O ₃ -SiO ₂ glasses	Kaur R., Singh S., Pandey O.P.	SPMS	Solid State Communications	2014	0038-1098
A comparative structural, thermal and electrical study of Ca ²⁺ , Sr ²⁺ substituted BiMnO ₃	Thakur S., Pandey O.P., Singh K.	SPMS	Solid State Ionics	2014	0167-2738
Study of non-lubricated wear of the Al-Si alloy composite reinforced with different ratios of coarse and fine size zircon sand particles at different ambient temperatures	Panwar R.S., Kumar S., Pandey R., Pandey O.P.	SPMS	Tribology Letters	2014	1573-2711
Computer simulation of heterogeneous nucleation of colloidal crystals at planar walls	B.J.Block, D. Deb, F. Schmitz, A. Statt, A. Troester, A. Winkler, T. Zykova-Timan, P. Virnau and K. Binder	SPMS	Eur. Phys. J. SpecialTopics	2014	1951-6401
Probing Nuclear Matter at the Extremes through application of Dynamical Cluster-decay Model to Superheavy Nuclei	. Niyti, Manoj K. Sharma, K.Sandhu, R. K. Gupta.	SPMS	Int. Rev. of Phys. IREPHY	2014	2533-2287
Self healing behavior of barium-lanthanum-borosilicate glass and its reactivity with different electrolytes for solid oxide fuel cells applications	G. Kaur, O.P. Pandey and K. Singh	SPMS	International Journal of Applied Ceramic Technology	2014	1744-7402
Tensile stress-dependent fracture behavior and its influences on photovoltaic characteristics in flexible pbs/cds thin-film solar cells	Lee S.M., Yeon D.H., Mohanty B.C., Cho Y.S.	SPMS	ACS Applied Materials and Interfaces	2015	1944-8252
Role of inelastic surface excitations and the energy-dependent Woods-Saxon potential in sub-barrier fusion of ³² 36 16s+90 40zr reactions	Gautam M.S.	SPMS	Acta Physica Polonica B	2015	1509-5770
Investigations on multiferroic, optical and photocatalytic properties of lanthanum doped bismuth ferrite nanoparticles	Kaur M., Yadav K.L., Uniyal P.	SPMS	Advanced Materials Letters	2015	0976-3961

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Effect of dopants ionic radii on dielectric properties of $\text{Bi}_4\text{V}_2-\text{xMe}_2\text{O}_{11-6}$ (where $x = 0.0$ and 0.15 ; $\text{Me} = \text{Mg, Ca, Sr and Ba}$)	Gupta S., Singh K.	SPMS	Applied Physics A: Materials Science and Processing	2015	1432-0630
Large magnetoelectric response in modified BNT based ternary piezoelectric $[(72.5(\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3)_{22.5}(\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3)_{5}(\text{BiMg}_{1/2}\text{TiO}_3)]$ -magnetostrictive $(\text{NiFe}_2\text{O}_4)$ particulate (0-3) composites	Tyagi M., Kumari M., Chatterjee R., Sharma P.	SPMS	Applied Physics Letters	2015	1077-3118
Mechanical, dielectric and optical assessment of glass composites prepared using milling technique	Kaur G., Pickrell G., Kumar V., Pandey O.P., Singh K., Arya S.K.	SPMS	Bulletin of Materials Science	2015	0973-7669
Static and energy dependent nucleus-nucleus potential for description of near and sub-barrier fusion data	Gautam M.S.	SPMS	Canadian Journal of Physics	2015	1208-6045
Novel process for synthesis of nanocrystalline WC from wolframite ore	Singh H., Pandey O.P.	SPMS	Ceramics International	2015	0272-8857
Effect of two different dopants (Mg^{2+} and Ca^{2+}) and processing parameters on γ -phase stabilization and conductivity of $\text{Bi}_4\text{V}_2\text{O}_{11-6}$	Gupta S., Singh K.	SPMS	Ceramics International	2015	0272-8858
Improved dielectric and magnetic properties in modified lithium-ferrites	Dipti, Kumar P., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Ceramics International	2015	0272-8859
Enhancement in magnetoelectric coupling in PZT based composites	Dipti D., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Ceramics International	2015	0272-8860
Static versus energy-dependent nucleus-nucleus potential for description of sub-barrier fusion dynamics of $^{168}\text{O}+^{112,116,120}\text{Sn}$ reactions	Gautam M.S.	SPMS	Chinese Physics C	2015	1674-1137
Nuclear structure study of some bubble nuclei in the light mass region using mean field formalism	Sharma M.K., Panda R.N., Sharma M.K., Patra S.K.	SPMS	Chinese Physics C	2015	1674-1137
Entrance Channel Mass Asymmetry Effects in Sub-Barrier Fusion Dynamics by Using Energy Dependent Woods-Saxon Potential	Gautam M.S.	SPMS	Communications in Theoretical Physics	2015	0253-6102
Strong decay widths and coupling constants of recent charm meson states	Batra M., Upadhyay A.	SPMS	European Physical Journal C	2015	1434-6052
Structural, Dielectric and Magnetoelectric Properties of $x\text{Co}_0.8\text{Ni}_0.2\text{Fe}_2\text{O}_4 + (1-x)\text{PbZr}_0.55\text{Ti}_0.45\text{O}_3$ Composites	Dipti, Juneja J.K., Singh S., Raina K.K., Kotnala R.K., Prakash C.	SPMS	Ferroelectrics, Letters Section	2015	1563-5228

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Analysis of thermodynamic properties in the limit of infinite pressure	Kumar S., Sharma S.K., Pandey O.P.	SPMS	High Temperatures - High Pressures	2015	1472-3441
Estimation of Particle Concentration in a Nanocomposite Using Magnetization Data	Rani C., Tiwari S.D., Kumar D.	SPMS	IEEE Transactions on Magnetics	2015	0018-9464
Enhanced Perpendicular Magnetic Anisotropy of Co-Rich Type Co-Pt Film by Inserting Pt Underlayer	You T.-H., Chen Y.-S., Ju Y.-C., Lin Y.-T., Lu H.-C., Wang S.-F., Sharma P., Sun A.-C.	SPMS	IEEE Transactions on Magnetics	2015	0018-9464
Effects of Thickness Ratio of Co to Pt Layer on Magnetic Properties and Microstructure of [Co/Pt] _n Multilayer Films	Yang T.-C., Chen Y.-S., Ju Y.-C., Lin Y.-T., Huang C.-F., Lu H.-C., Wang S.-F., Sharma P., Sun A.-C.	SPMS	IEEE Transactions on Magnetics	2015	0018-9464
Correlation between directed transverse flow and nuclear stopping around the energy of vanishing flow	Rubina B., Anupriya J., Suneel K.	SPMS	Indian Journal of Physics	2015	0974-9845
Contribution of different components of interaction potential towards global nuclear stopping	Mandeep K., Suneel K.	SPMS	Indian Journal of Physics	2015	0974-9845
Effect of electric and magnetic treatments on germination of bitter melon (Momordica charantia) seed	Mahajan T.S., Pandey O.P.	SPMS	International Journal of Agriculture and Biology	2015	1814-9596
Synthesis of carbon coated tungsten carbide nano powder using hexane as carbon source and its structural, thermal and electrocatalytic properties	Singla G., Singh K., Pandey O.P.	SPMS	International Journal of Hydrogen Energy	2015	0360-3199
In-situ synthesis of chromium carbide (Cr ₃ C ₂) nanopowders by chemical-reduction route	Mahajan M., Rajpoot S., Pandey O.P.	SPMS	International Journal of Refractory Metals and Hard Materials	2015	0263-4368
Preferential occupancy of Ca ²⁺ dopant in La _{1-x} CaxInO _{3-δ} (x = 0–0.20) perovskite: structural and electrical properties	Sood K., Singh K., Basu S., Pandey O.P.	SPMS	Ionics	2015	1862-0760
Study on novel, superparamagnetic and biocompatible PEG/KFeO ₂ nanocomposite	Khanna L., Verma N.K.	SPMS	Journal of Applied Biomedicine	2015	1214-021X
Synthesis of fluorescent core-shell nanomaterials and strategies to generate white light	Singh A., Kaur R., Pandey O.P., Wei X., Sharma M.	SPMS	Journal of Applied Physics	2015	1089-7550
Hybrid polyaniline-TiO ₂ nanocomposite Langmuir-Blodgett thin films: Self-assembly and their characterization	Bhullar G.K., Kaur R., Raina K.K.	SPMS	Journal of Applied Polymer Science	2015	1097-4628
Multiferroic properties of composites of PLZT and substituted CoFe ₂ O ₄	Dipti, Kumar P., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Journal of Ceramic Processing Research	2015	1229-9162
Influence of particle size and temperature on the wear properties of rutile-reinforced aluminium metal matrix composite	Arora R., Kumar S., Singh G., Pandey O.P.	SPMS	Journal of Composite Materials	2015	1530-793X

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Bistable dissipative soliton in cubic-quintic nonlinear medium with multiphoton absorption and gain dispersion	Parmar G.S., Jana S.	SPMS	Journal of Electromagnetic Waves and Applications	2015	1569-3937
Growth, Morphology, and Electrical Characterization of Polyaniline–ZnO Nano-composite Langmuir–Blodgett Thin Films	Bhullar G.K., Kaur R., Raina K.K.	SPMS	Journal of Electronic Materials	2015	0361-5235
Electroactive Phase Induced Bi ₄ Ti ₃ O ₁₂ –Poly(Vinylidene Difluoride) Composites with Improved Dielectric Properties	Bhardwaj S., Paul J., Chand S., Raina K.K., Kumar R.	SPMS	Journal of Electronic Materials	2015	0361-5235
Investigation of the Magnetic and Optical Properties of Wurtzite Fe-Doped ZnS Nanorods	Kumar S., Verma N.K.	SPMS	Journal of Electronic Materials	2015	0361-5235
Morphology controlled Y ₂ O ₃ :Eu ³⁺ nanophosphors with enhanced photoluminescence properties	Kumar D., Sharma M., Pandey O.P.	SPMS	Journal of Luminescence	2015	0022-2313
Structural, magnetic and microwave properties of barium hexaferrite thick films with different Fe/Ba mole ratio	Verma S., Dhawan S.K., Paesano A., Jr., Pandey O.P., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Enhanced coercivity of HCP Co–Pt alloy thin films on a glass substrate at room temperature for patterned media	Chen Y.S., Sun A.-C., Lee H.Y., Lu H.-C., Wang S.-F., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Sol-gel synthesized BiFeO ₃ nanoparticles: Enhanced magnetoelectric coupling with reduced particle size	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Estimation of particle magnetic moment distribution for anti-ferromagnetic ferrihydrite nanoparticles	Rani C., Tiwari S.D.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Study of samarium modified lead zirconate titanate and nickel zinc ferrite composite system	Rani R., Juneja J.K., Singh S., Raina K.K., Prakash C.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Room temperature investigations on optical and magnetic studies of Co _x Zn _{1-x} S nanorods	Kumar S., Verma N.K.	SPMS	Journal of Magnetism and Magnetic Materials	2015	0304-8853
Role of fine size zircon sand ceramic particle on controlling the cell morphology of aluminum composite foams	Kumar S., Pandey O.P.	SPMS	Journal of Manufacturing Processes	2015	1526-6125
Ferromagnetic behavior of Cd _{1-x} Ni _x S nanorods: a novel study	Kaur K., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2015	1573-482X
Particle size dependent multiferroic properties of Bi _{0.95} Tb _{0.05} FeO ₃ nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2015	1573-482X
Structural, optical and magnetic investigations on Fe-doped ZnS nanoparticles	Kumar S., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2015	1573-482X

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Structural, optical and ferroelectric behavior of pure BiFeO ₃ thin films synthesized by the sol-gel method	Tyagi M., Chatterjee R., Sharma P.	SPMS	Journal of Materials Science: Materials in Electronics	2015	1573-482X
Structure and crystallization kinetics of Li ₂ O modified sodium-phosphate glasses	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
Effect of intermediate oxide (Y ₂ O ₃) on thermal, structural and optical properties of lithium borosilicate glasses	Singh S., Kalra G., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
FTIR spectral analysis and mechanical properties of sodium phosphate glass-ceramics	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
Nanocrystalline glass ceramics: Structural, physical and optical properties	Singh S., Singh K.	SPMS	Journal of Molecular Structure	2015	0022-2860
Structural and optical properties of 30Li ₂ O-55B ₂ O ₃ -5ZnO-xTiO ₂ -(10-x)V ₂ O ₅ , (0 ≤ x ≤ 10) glasses	Arya S.K., Singh K.	SPMS	Journal of Non-Crystalline Solids	2015	0022-3093
Dielectric, optical and structural properties of Bi ₄ -V ₂ -x</inf>Sr<inf>x</inf>O<inf>11-6</inf> (0.05 ≤ x ≤ 0.20)	Gupta S., Singh K.	SPMS	Journal of Physics and Chemistry of Solids	2015	0022-3697
Improved photovoltaic and grain boundary characteristics of single elementary target-sputtered Cu ₂ ZnSnSe ₄ thin films by post sulfurization/selenization process	Jo Y.H., Jang J.W., Mohanty B.C., Kang H.B., Cho Y.S.	SPMS	Journal of Physics D: Applied Physics	2015	1361-6463
Synthesis of visible light-responsive cobalt-doped TiO ₂ nanoparticles with tunable optical band gap	Khurana C., Pandey O.P., Chudasama B.	SPMS	Journal of Sol-Gel Science and Technology	2015	1573-4846
Improved dielectric and magnetic properties of multiferroic BiFeO ₃ -NiFe ₂ O ₄ nanocomposite thin films	Tyagi M., Chatterjee R., Sharma P.	SPMS	Journal of Sol-Gel Science and Technology	2015	1573-4846
Synthesis of grape-like carbon nanospheres and their application as photocatalyst and electrocatalyst	Mahajan M., Singla G., Singh K., Pandey O.P.	SPMS	Journal of Solid State Chemistry	2015	0022-4596
Hydrothermally Synthesized CdS Nanoparticles: Effect of Fe Doping on Optical and Magnetic Properties	Kaur K., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2015	1557-1947
Multiferroic Properties of Zn _{1-x} Mg _x O Nanoparticles	Singh J., Vasishth A., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2015	1557-1947
Thermal and kinetic parameters of 30Li ₂ O-55B ₂ O ₃ -xTiO ₂ -(10-x)V ₂ O ₅ (0 ≤ x ≤ 10) glasses	Arya S.K., Singh K.	SPMS	Journal of Thermal Analysis and Calorimetry	2015	1588-2926

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Optical and thermal properties of (70 - x)SiO ₂ -xNa ₂ O-15CaO-10Al ₂ O ₃ -5TiO ₂ (10 ≤ x ≤ 25) glasses	Arya S.K., Kaur B., Kaur G., Singh K.	SPMS	Journal of Thermal Analysis and Calorimetry	2015	1588-2926
Thermal stability and structural properties of Ta nanopowder synthesized via simultaneous reduction of Ta ₂ O ₅ by hydrogen and carbon	Brar L.K., Singla G., Kaur N., Pandey O.P.	SPMS	Journal of Thermal Analysis and Calorimetry	2015	1588-2926
Memory effects in chiral nematic liquid crystals doped with functionalised single-walled carbon nanotubes	Middha M., Kumar R., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Morphological control and switchable photoluminescence responses of silica nanoparticles-modified polymer-dispersed liquid crystal composite films	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Polarisation switching and molecular relaxation behaviour of anthraquinone dye-dispersed polymer-stabilised ferroelectric liquid crystal composites	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Effect of pH on the control of molecular orientation in monolayer of bent-core liquid crystal materials by Langmuir-Blodgett method	Kaur R., Bhullar G.K., Rao N.V.S., Raina K.K.	SPMS	Liquid Crystals	2015	1366-5855
Synthesis and photoluminescence properties of in-situ synthesized core-shell (m-VC@C) nanocomposites	Mahajan M., Lalla N.P., Singh K., Pandey O.P.	SPMS	Materials Chemistry and Physics	2015	0254-0584
Improved properties of BPT ceramics using microwave sintering	Kumar P., Singh S., Juneja J.K., Prakash C., Raina K.K.	SPMS	Materials Letters	2015	0167-577X
Magnetic and electric properties of BFO-NFO nanocomposites	Kaur I., Verma N.K.	SPMS	Materials Science in Semiconductor Processing	2015	1369-8001
Planar Alignment of Liquid Crystal in Silica-Based Photonic Structure	Dhiman N., Sharma A., Singh B.P., Raina K.K., Gathania A.K.	SPMS	Molecular Crystals and Liquid Crystals	2015	1563-5287
Fission decay analysis of n-induced reaction using collective clusterization approach	Kaur A., Kaur G., Sharma M.K.	SPMS	Nuclear Physics A	2015	0375-9474
Photoluminescence and photocatalytic studies of metal ions (Mn and Ni) doped ZnS nanoparticles	Kaur J., Sharma M., Pandey O.P.	SPMS	Optical Materials	2015	0925-3467
Structural, conductivity, and dielectric relaxation studies of La _{0.9} Ba _{0.1} GaO _{3-δ} system	Sood K., Singh K., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Crystallization and glass transition kinetics of Na ₂ S-P ₂ S ₅ -based super-ionic glasses	Jha P.K., Pandey O.P., Singh K.	SPMS	Particulate Science and Technology	2015	1548-0046

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Effect of processing variables on WC nanoparticles synthesized by solvothermal route	Singla G., Singh K., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Structural, thermal, and electrical study of Bi _{0.5} Sr _{0.5} MnO ₃	Thakur S., Pandey O.P., Singh K.	SPMS	Particulate Science and Technology	2015	1548-0046
Effect of pH on Size of ZnS Nanoparticles and Its Application for Dye Degradation	Kaur J., Sharma M., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Role of different range of particle size on wear characteristics of al-rutile composites	Arora R., Kumar S., Singh G., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Effect of particle size on wear behavior of al-garnet composites	Sharma A., Kumar S., Singh G., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Effect of extended milling of scheelite ore with activated charcoal on direct synthesis of nanotungsten carbide	Singh H., Pandey O.P.	SPMS	Particulate Science and Technology	2015	1548-0046
Effects of nanoparticle doping on the phase transitional behaviour of ferroelectric liquid crystal Langmuir-Blodgett composite films	Kaur R., Raina K.K.	SPMS	Phase Transitions	2015	1029-0338
Co-existence of cubic and orthorhombic phases in Ba-doped LaInO ₃ and their effect on conductivity	Sood K., Singh K., Pandey O.P.	SPMS	Physica B: Condensed Matter	2015	0921-4526
Analysis of fusion dynamics of colliding systems involving stable, loosely bound and halo nuclei	Gautam M.S.	SPMS	Physica Scripta	2015	1402-4896
Decay of Zr isotopes and related nuclear structure effects using the collective clusterization approach	Kaur G., Rajni R., Sharma M.K.	SPMS	Physica Scripta	2015	1402-4896
Systematic failure of static nucleus-nucleus potential to explore sub-barrier fusion dynamics	Gautam M.S.	SPMS	Physica Scripta	2015	1402-4896
Decay of the compound nucleus ¹¹⁸ * ²⁹⁷ formed in the reaction Cf ²⁴⁹ + Ca ⁴⁸ using the dynamical cluster-decay model	Sawhney G., Kaur A., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
Formation and decay analysis of Cd [*] 4898,104 isotopes in Ca ²⁰⁴⁰ -induced reactions	Gautam M.S., Kaur A., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
Decay analysis of compound nuclei with masses A≈30-200 formed in reactions involving loosely bound projectiles	Kaur M., Singh B., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
α -decay chains of recoiled superheavy nuclei: A theoretical study	Niyti, Sawhney G., Sharma M.K., Gupta R.K.	SPMS	Physical Review C - Nuclear Physics	2015	2469-9993
Cluster decay analysis and related structure effects of fissionable heavy and superheavy nuclei	Sharma M.K., Kaur G.	SPMS	Pramana - Journal of Physics	2015	0973-7111

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On the momentum distribution of particles participating in nuclear stopping	Kaur M., Kumar S.	SPMS	Pramana - Journal of Physics	2015	0973-7111
Evolution of structural and thermal properties of carbon-coated TaC nanopowder synthesized by single step reduction of Ta-ethoxide	Brar L.K., Singla G., Pandey O.P.	SPMS	RSC Advances	2015	2046-2069
Effect of ferromagnetic dopants on laser induced optical parameters of bismuth doped CaS phosphors	Kumar S., Jeon H.C., Kang T.W., Devraj, Sekhon J., Verma N.K., Bhatti H.S., Choubey R.K.	SPMS	Russian Journal of Physical Chemistry A	2015	1531-863X
Effect of band-aligned double absorber layers on photovoltaic characteristics of chemical bath deposited PbS/CdS thin film solar cells	Ho Yeon D., Chandra Mohanty B., Lee S.M., Soo Cho Y.	SPMS	Scientific Reports	2015	2045-2322
Single elementary target-sputtered Cu ₂ ZnSnSe ₄ thin film solar cells	Jo Y.H., Mohanty B.C., Yeon D.H., Lee S.M., Cho Y.S.	SPMS	Solar Energy Materials and Solar Cells	2015	0927-0248
γ -Phase stabilized Bi _{4-x} Ba _x V _{2-x} O _{11-δ} (0.0 \leq x \leq 0.20): Structural, thermal and conducting properties	Gupta S., Singh K.	SPMS	Solid State Ionics	2015	0167-2738
Structural and optical studies of undoped and copper doped zinc sulphide nanoparticles for photocatalytic application	Kaur J., Sharma M., Pandey O.P.	SPMS	Superlattices and Microstructures	2015	0749-6036
Nuclear Structure study of some bubble nuclei in light mass region using mean field formalism.	M. K. Sharma, R. N. Panda, Manoj K. Sharma, S. K. Patra.	SPMS	Chinese Physics C	2015	1674-1137
Improved Photovoltaic Characteristics and Grain Boundary Potentials of CuIn _{0.7} Ga _{0.3} Se ₂ Thin Films Spin-Coated by Na-Dissolved Nontoxic Precursor Solution	Choi I.J., Jang J.W., Mohanty B.C., Lee S.M., Cho Y.S.	SPMS	ACS Applied Materials and Interfaces	2016	1944-8252
Initialization effects via nuclear charge radii parameterizations on the nuclear stopping and its relation to distribution and production of light mass fragments	Sangeeta	SPMS	Acta Physica Polonica B	2016	1509-5770
Importance of deformations in dynamical evolution of proton-halo nuclei	Sawhney G., Gupta R.K., Sharma M.K.	SPMS	Acta Physica Polonica B	2016	1509-5770
An introduction and history of the bioactive glasses	Kaur G., Waldrop S.G., Kumar V., Pandey O.P., Sriranganathan N.	SPMS	Advanced Structured Materials	2016	1869-8433
Study of 1D strange charmed meson family using HQET	Gupta P., Upadhyay A.	SPMS	Advances in High Energy Physics	2016	1687-7365
Prediction of variation in d-orbital occupancy in strain induced tetragonal phase of BiFeO ₃ thin film	Verma M., Ram K.	SPMS	AIP Advances	2016	2158-3226

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Role of Projectile Degrees of Freedom in Sub-Barrier Fusion Dynamics	Gautam M.S.	SPMS	Brazilian Journal of Physics	2016	1678-4448
Role of Barrier Modification and Inelastic Surface Excitations in Sub-Barrier Fusion of $^{16}\text{S} + ^{40}\text{Zr}$ Reaction	Gautam M.S., Rajni, Sharma M.K.	SPMS	Brazilian Journal of Physics	2016	1678-4448
Effect of synthesis parameters on structural and thermal properties of NbC/C nano composite synthesized via in-situ carburization reduction route at low temperature	Gupta A., Singla G., Pandey O.P.	SPMS	Ceramics International	2016	0272-8861
Microwave sintered $\text{Bi}_{0.90}\text{La}_{0.10}\text{Fe}_{0.95}\text{Mn}_{0.05}\text{O}_3$ nanocrystalline ceramics: Impedance and modulus spectroscopy	Kolte J., Daryapurkar A.S., Gulwade D.D., Gopalan P.	SPMS	Ceramics International	2016	0272-8862
Magnetic and bioactive properties of $\text{MnO}_2/\text{Fe}_2\text{O}_3$ modified $\text{Na}_2\text{O}-\text{CaO}-\text{P}_2\text{O}_5-\text{SiO}_2$ glasses and nanocrystalline glass-ceramics	Danewalia S.S., Singh K.	SPMS	Ceramics International	2016	0272-8863
Effect of MgO on bioactivity, hardness, structural and optical properties of $\text{SiO}_2-\text{K}_2\text{O}-\text{CaO}-\text{MgO}$ glasses	Jha P., Singh K.	SPMS	Ceramics International	2016	0272-8864
$\text{JP}=12+, 32+$ masses in the statistical model	Kaur A., Upadhyay A.	SPMS	European Physical Journal A	2016	1434-601X
Magnetic moments of $\text{JP} = 3/2+$ decuplet baryons using the statistical model	Kaur A., Upadhyay A.	SPMS	European Physical Journal A	2016	1434-601X
Improved Electro-Optical Response of Induced Chiral Nematic Liquid Crystal Doped with Multi-Walled Carbon Nanotubes	Middha M., Kumar R., Raina K.K.	SPMS	Ferroelectrics	2016	1563-5112
Self assembling effects of nano-particles in mesomorphic LB films	Kaur R., Raina K.K.	SPMS	Ferroelectrics	2016	1563-5112
Influence of antibiotic adsorption on biocidal activities of silver nanoparticles	Khurana C., Vala A.K., Andhariya N., Pandey O.P., Chudasama B.	SPMS	IET Nanobiotechnology	2016	1751-875X
Effects of intrinsic degrees of freedom in enhancement of sub-barrier fusion excitation function data and energy-dependent one-dimensional barrier penetration model	Gautam M.S.	SPMS	Indian Journal of Physics	2016	0974-9845
Synthesis and characterization of PZT: CF magnetoelectric composites	Dipti, Singh S., Juneja J.K., Raina K.K., Pant R.P., Kotnala R.K., Prakash C.	SPMS	Integrated Ferroelectrics	2016	1607-8489
Study of photocatalytic degradation of environmentally harmful phthalate esters using Ni-doped TiO_2 nanoparticles	Singla P., Pandey O.P., Singh K.	SPMS	International Journal of Environmental Science and Technology	2016	1735-2630
Dynamics of ^{16}O -induced reactions using Ni, Ge and Mo targets	Rajni, Kaur G., Sharma M.K.	SPMS	International Journal of Modern Physics E	2016	1793-6608

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Structural and magnetic properties of Co-Ti substituted barium hexaferrite thick films	Verma S., Pandey O.P., Paesano A., Jr., Sharma P.	SPMS	Journal of Alloys and Compounds	2016	0925-8388
Study on single step solid state synthesis of WC@C nanocomposite and electrochemical stability of synthesized WC@C & Pt/WC@C for alcohol oxidation (methanol/ethanol)	Singla G., Singh K., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2016	0925-8388
Review and the state of the art: Sol-gel and melt quenched bioactive glasses for tissue engineering	Kaur G., Pickrell G., Sriranganathan N., Kumar V., Homa D.	SPMS	Journal of Biomedical Materials Research - Part B Applied Biomaterials	2016	1552-4981
Effect of Gd-substitution on the ferroelectric and magnetic properties of BiFeO ₃ processed by high-energy ball milling	Sharma S., Mishra A., Saravanan P., Pandey O.P., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2016	0304-8853
Study of xCo _{0.8} Ni _{0.2} Fe ₂ O ₄ +(1-x) Pb _{0.99625} La _{0.0025} Zr _{0.55} Ti _{0.45} O ₃ magnetoelectric composites	Dipti, Singh S., Juneja J.K., Raina K.K., Kotnala R.K., Prakash C.	SPMS	Journal of Magnetism and Magnetic Materials	2016	0304-8853
Magnetic behaviour of sol-gel driven BiFeO ₃ thin films with different grain size distribution	Sharma S., Saravanan P., Pandey O.P., Vinod V.T.P., Černík M., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2016	0304-8853
Frequency independent low- γ K lithium borate nanocrystalline glass ceramic and glasses for microelectronic applications	Arya S.K., Danewalia S.S., Singh K.	SPMS	Journal of Materials Chemistry C	2016	2050-7534
Synergistic Effect of Metal Nanoparticles on the Antimicrobial Activities of Antibiotics against Biorecycling Microbes	Khurana C., Sharma P., Pandey O.P., Chudasama B.	SPMS	Journal of Materials Science and Technology	2016	1005-0302
Investigation on the effect of Ti doping on dielectric, impedance and magnetic properties of Ba ₂ +substituted BiFeO ₃ ceramics	Kaur M., Uniyal P.	SPMS	Journal of Materials Science: Materials in Electronics	2016	1573-482X
Structural, optical and magnetic properties of Gadolinium-doped ZnO nanoparticles	Aggarwal N., Kaur K., Vasishth A., Verma N.K.	SPMS	Journal of Materials Science: Materials in Electronics	2016	1573-482X
Grain size distribution dependent magnetic and ferroelectric properties in sol-gel driven BiFeO ₃ thin films	Sharma S., Saravanan P., Pandey O.P., Sharma P.	SPMS	Journal of Materials Science: Materials in Electronics	2016	1573-482X
Multiferroic and optical studies on the effects of Ba ²⁺ ions in BiFeO ₃ nanoparticles	Kaur M., Yadav K.L., Uniyal P.	SPMS	Journal of Materials Science: Materials in Electronics	2016	1573-482X
Effects of chirality on optical and electro-optic behavior of nematic liquid crystals doped with functionalized silver nanoparticles	Middha M., Kumar R., Raina K.K.	SPMS	Journal of Molecular Liquids	2016	0167-7322
Thermodynamic and acoustical study of zinc oxide-nematic liquid crystals mixtures	Khushboo, Devi A., Malik P., Kumar H.	SPMS	Journal of Molecular Liquids	2016	0167-7322
Non-isothermal crystallization kinetics of K ₂ O modified sodium-phosphate glasses	Jha P.K., Pandey O.P., Singh K.	SPMS	Journal of Non-Crystalline Solids	2016	0022-3093

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Effect of vanadium on the optical and physical properties of lithium borate glasses	Arya S.K., Kaur G., Singh K.	SPMS	Journal of Non-Crystalline Solids	2016	0022-3093
Bright and exotic solitons in laser cavity with frequency selective feedback	Kaur B., Jana S., Zhou Q., Biswas A., Belic M.	SPMS	Journal of Optoelectronics and Advanced Materials	2016	1841-7132
Effect of variable oxidation states of vanadium on the structural, optical, and dielectric properties of B ₂ O ₃ -Li ₂ O-ZnO-V ₂ O ₅ glasses	Arya S.K., Danewalia S.S., Arora M., Singh K.	SPMS	Journal of Physical Chemistry B	2016	1520-5207
Effect of Particle Size on the Multiferroic Properties of Tb-Doped BiFeO ₃ Nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Journal of Superconductivity and Novel Magnetism	2016	1557-1947
Optical, thermal, electrical and morphological study of La _{1-x} CaxGaO _{3-δ} (x=0, 0.05, 0.10, 0.15 and 0.20) electrolyte	Sood K., Singh K., Basu S., Pandey O.P.	SPMS	Journal of the European Ceramic Society	2016	0955-2219
Effects of silver nanoparticles doping on morphology and luminescence behaviour of ferroelectric liquid crystals Langmuir-Blodgett films	Kaur R., Bhullar G.K., Raina K.K.	SPMS	Liquid Crystals	2016	1366-5855
Electro-optics of polymer-stabilised blue phase liquid crystal in in-plane switching mode	Singh A., Jayoti D., Khushboo, Malik P.	SPMS	Liquid Crystals	2016	1366-5855
Electro-optic, dielectric and optical studies of NiFe ₂ O ₄ -ferroelectric liquid crystal: a soft magnetoelectric material	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Liquid Crystals	2016	1366-5855
Optical and electrical control of circularly polarised fluorescence in CdSe quantum dots dispersed polymer stabilised cholesteric liquid crystal shutter	Kumar R., Raina K.K.	SPMS	Liquid Crystals	2016	1366-5855
Photoluminescence tuning and electro-optical memory in chiral nematic liquid crystals doped with silver nanoparticles	Middha M., Kumar R., Raina K.K.	SPMS	Liquid Crystals	2016	1366-5855
Effect of polymer concentration on morphology, dielectric and optical properties in a polymer-dispersed ferroelectric liquid crystal	Jayoti D., Khushboo, Malik P., Singh A.	SPMS	Liquid Crystals	2016	1366-5855
Structural Investigation of Catalytically Grown Carbon Nanotubes	Mahajan M., Singh K., Pandey O.P.	SPMS	Materials and Manufacturing Processes	2016	1532-2475
Swift heavy ion induced modifications of single walled carbon nanotube thin films	Vishalli, Raina K.K., Avasthi D.K., Srivastava A., Dharamvir K.	SPMS	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	2016	0168-9002
Evolution of bell-shaped dissipative optical solitons from super-gaussian pulse in parabolic law medium with bandwidth limited amplification	Jana S., Shivani, Parmar G.S., Kaur B., Zhou Q., Biswas A., Belic M.	SPMS	Optoelectronics and Advanced Materials, Rapid Communications	2016	2065-3824

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Dielectric and electro-optical studies of a nickel-ferrite-nanoparticle-doped ferroelectric liquid crystal mixture	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Phase Transitions	2016	1029-0338
Nature of magnetic interactions in β -Co(OH) ₂ nanoparticles	Gupta A., Tiwari S.D., Kumar D.	SPMS	Physica Status Solidi (B) Basic Research	2016	1521-3951
Properties of fission fragments for Z=112-116 superheavy nuclei	Kaur G., Sandhu K., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2016	2469-9993
Search for halo structure in Mg 37 using the Glauber model and microscopic relativistic mean-field densities	Sharma M.K., Panda R.N., Sharma M.K., Patra S.K.	SPMS	Physical Review C - Nuclear Physics	2016	2469-9993
Decay analysis of pre-actinide and trans-actinide nuclei formed using various projectiles on a Au 197 target at ECN* =60 MeV	Grover N., Kaur G., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2016	2469-9993
Analyzing fragment production in mass-asymmetric reactions as a function of density dependent part of symmetry energy	Kaur A., Deepshikha, Vinayak K.S., Kumar S.	SPMS	Physics of Atomic Nuclei	2016	1562-692X
A generic travelling wave solution in dissipative laser cavity	Kaur B., Jana S.	SPMS	Pramana - Journal of Physics	2016	0973-7111
Brief report: Volume dependence of Grüneisen parameter for solids under extreme compression	Kumar S., Sharma S.K., Pandey O.P.	SPMS	Pramana - Journal of Physics	2016	0973-7111
Inelastic surface vibrations versus energy-dependent nucleus-nucleus potential in sub-barrier fusion dynamics of ³⁶ Li + ⁶² 144Sm system	Gautam M.S.	SPMS	Pramana - Journal of Physics	2016	0973-7111
Heavy-light charm mesons spectroscopy and decay widths	Upadhyay A., Batra M., Gupta P.	SPMS	Progress of Theoretical and Experimental Physics	2016	2050-3911
Evidence of entrance channel mass asymmetry effects in formation of ²⁴⁰ 98 cf-nucleus and energy dependent woods-saxon potential	Gautam M.S.	SPMS	Romanian Reports in Physics	2016	1841-8759
The role of carbon in structural evolution during single step synthesis of nano tantalum carbide	Brar L.K., Singla G., Pandey O.P.	SPMS	RSC Advances	2016	2046-2069
Combined and individual doxorubicin/vancomycin drug loading, release kinetics and apatite formation for the CaO-CuO-P2O5-SiO2-B2O3 mesoporous glasses	Kaur G., Pandey O.P., Singh K., Chudasama B., Kumar V.	SPMS	RSC Advances	2016	2046-2069
Dynamics of surface evolution in semiconductor thin films grown from a chemical bath	Gupta I., Mohanty B.C.	SPMS	Scientific Reports	2016	2045-2322

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Agricultural wastes as a resource of raw materials for developing low-dielectric glass-ceramics	Danewalia S.S., Sharma G., Thakur S., Singh K.	SPMS	Scientific Reports	2016	2045-2322
Effect of Field Strength and Electronegativity of CaO and MgO on Structural and Optical Properties of SiO ₂ -K ₂ O-CaO-MgO Glasses	Jha P., Singh K.	SPMS	Silicon	2016	1876-9918
Fast and quick degradation properties of doped and capped ZnO nanoparticles under UV-Visible light radiations	Mittal M., Sharma M., Pandey O.P.	SPMS	Solar Energy	2016	0038-092X
Effect of substrate temperature on the structural and electrical properties of La and Mn co-doped BiFeO ₃ thin films	Kolte J., Daryapurkar A.S., Agarwal M., Gulwade D.D., Gopalan P.	SPMS	Thin Solid Films	2016	0040-6090
Structural effects through nuclear charge radius in mass asymmetric collisions	Sangeeta, Kaur V.	SPMS	Acta Physica Polonica B	2017	1509-5770
Analysis of spontaneous fission in superheavy mass region using the dynamical cluster-decay model	Sawhney G., Kaur A., Sharma M.K., Gupta R.K.	SPMS	Acta Physica Polonica B	2017	1509-5770
Phase transitions in two-line ferrihydrite nanoparticles	Rani C., Tiwari S.D.	SPMS	Applied Physics A: Materials Science and Processing	2017	1432-0630
Effect of copper on the up-regulation/down-regulation of genes, cytotoxicity and ion dissolution for mesoporous bioactive glasses	Kaur G., Sriranganathan N., Waldrop S.G., Sharma P., Chudasama B.N.	SPMS	Biomedical Materials (Bristol)	2017	1748-605X
Effect of Mn ²⁺ and Cu ²⁺ co-doping on structural and luminescent properties of ZnS nanoparticles	Bansal N., Mohanta G.C., Singh K.	SPMS	Ceramics International	2017	0272-8865
Effect of ZrO ₂ on dielectric, optical and structural properties of yttrium calcium borosilicate glasses	Khan S., Kaur G., Singh K.	SPMS	Ceramics International	2017	0272-8866
Study of Cold Fusion Reactions Using Collective Clusterization Approach	Kaur G., Sandhu K., Sharma M.K.	SPMS	Communications in Theoretical Physics	2017	0253-6102
Dynamics of ⁴⁷ V* formed in ²⁰ Ne + ²⁷ Al reaction in view of fusion-fission and DIC mechanism	Grover N., Sharma K., Sharma M.K.	SPMS	European Physical Journal A	2017	1434-601X
Impact of spin-orbit density dependent potential in heavy ion reactions forming Se nuclei	Rajni, Jain D., Sharma I., K Sharma M.	SPMS	European Physical Journal A	2017	1434-601X
Probing the role of Skyrme interactions on the fission dynamics of the ⁶ Li + ²³⁸ U reaction	Sharma I., Kumar R., Sharma M.K.	SPMS	European Physical Journal A	2017	1434-601X
Complete and incomplete fusion dynamics of ^{6,7} Li + ¹⁵⁹ Tb reactions near the Coulomb barrier	Gautam M.S., Grover N., Sharma M.K.	SPMS	European Physical Journal A	2017	1434-601X

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Modelling of breather for transformer health assessment	Kumar S., Islam T., Raina K.K.	SPMS	IET Science, Measurement and Technology	2017	1751-8830
On the global and local nuclear stopping in mass asymmetric nuclear collisions using density-dependent symmetry energy	Amandeep K., Suneel K.	SPMS	Indian Journal of Physics	2017	0974-9845
Experimental and neural network approach to effective electrical conductivity of carbon nanotubes dispersed chiral nematic liquid crystals	Kumar R., Singh R.P., Middha M., Raina K.K.	SPMS	Indian Journal of Pure and Applied Physics	2017	0975-1041
Enhanced photocatalytic degradation of diethyl phthalate using Zn doped rutile TiO ₂	Singla P., Pandey O.P., Singh K.	SPMS	Indian Journal of Pure and Applied Physics	2017	0975-1041
Analysis of volume dependence of thermal expansivity for NaCl	Kumar S., Sharma S.K., Pandey O.P.	SPMS	Indian Journal of Pure and Applied Physics	2017	0975-1041
Dielectric and polarization switching studies in nickel nanoparticles dispersed ferroelectric liquid crystal mixtures	Khushboo, Bhargava N., Anand K., Malik P., Sharma P., Jayoti D., Raina K.K.	SPMS	Integrated Ferroelectrics	2017	1607-8489
Influence of CaO/MgO ratio on the crystallization kinetics and interfacial compatibility with crofer 22APU and YSZ of strontium based alumino-borosilicate glasses for SOFC applications	Kaur M., Kaur G., Pandey O.P., Singh K., Kumar V.	SPMS	International Journal of Hydrogen Energy	2017	0360-3199
Fusion dynamics of 30Si+238U reaction using variety of interaction potentials	Sharma I., Gautam M.S., Sharma M.K.	SPMS	International Journal of Modern Physics E	2017	1793-6608
Structural, magnetic and microwave properties of exchange coupled and non-exchange coupled BaFe ₁₂ O ₁₉ /NiFe ₂ O ₄ nanocomposites	Pahwa C., Mahadevan S., Narang S.B., Sharma P.	SPMS	Journal of Alloys and Compounds	2017	0925-8388
Facile route to produce spherical and highly luminescent Tb ³⁺ -doped Y ₂ O ₃ nanophosphors	Kumar D., Sharma M., Haranath D., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2017	0925-8388
Structural, dielectric and magnetic properties of BaFe ₁₂ -xAlxO ₁₉ hexaferrite thick films	Mahadevan S., Pahwa C., Narang S.B., Sharma P.	SPMS	Journal of Magnetism and Magnetic Materials	2017	0304-8853
Magnetoelectric effect in lead free piezoelectric Bi _{1/2} Na _{1/2} TiO ₃ -modified CFO based magnetostrictive (Co _{0.6} Zn _{0.4} Fe _{1.7} Mn _{0.3} O ₄) particulate nanocomposite prepared by sol-gel method	Thakur M., Sharma P., Kumari M., Singh A.P., Tyagi M.	SPMS	Journal of Magnetism and Magnetic Materials	2017	0304-8853
Barium disilicide as a promising thin-film photovoltaic absorber: Structural, electronic, and defect properties	Kumar M., Umezawa N., Zhou W., Imai M.	SPMS	Journal of Materials Chemistry A	2017	2050-7496
Seedless co-surfactant-based dimensional and optical tunability of gold nanorods with simultaneous pH regulation	Kaur P., Chudasama B.	SPMS	Journal of Materials Science	2017	1573-4803

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Effect of mixed oxide/fluoride bonding on the dielectric properties of oxyfluoride glasses	Danewalia S.S., Gupta N., Aggarwal S., Singh K.	SPMS	Journal of Materials Science: Materials in Electronics	2017	1573-482X
Enhanced dielectric properties and suppressed leakage current density of PVDF composites flexible film through small loading of submicron Ba _{0.7} Sr _{0.3} TiO ₃ crystallites	Gupta P., Kumar A., Tomar M., Gupta V., Singh D.P.	SPMS	Journal of Materials Science: Materials in Electronics	2017	1573-482X
Influence of annealing on dielectric and polarization behavior of PVDF thick films	Kaur S., Kumar A., Sharma A.L., Singh D.P.	SPMS	Journal of Materials Science: Materials in Electronics	2017	1573-482X
Improved magnetoelectric effect in lead free [72.5(Bi _{1/2} Na _{1/2} TiO ₃)-22.5(Bi _{1/2} K _{1/2} TiO ₃)-5(BiMg _{1/2} Ti _{1/2} O ₃)] CoFe ₂ O ₄ particulate nanocomposites prepared by sol-gel method	Tyagi M., Sharma P., Kumari M., Thakur M.	SPMS	Journal of Materials Science: Materials in Electronics	2017	1573-482X
Effect of strontium substitution on the cytocompatibility and 3-D scaffold structure for the xSrO-(10-x) MgO-60SiO ₂ -20CaO-10 P ₂ O ₅ (2 ≤ x ≤ 8) sol-gel glasses	Thakur S., Garg S., Kaur G., Pandey O.P.	SPMS	Journal of Materials Science: Materials in Medicine	2017	1573-4838
Antibacterial and anticancerous drug loading kinetics for (10-x)CuO-xZnO-20CaO-60SiO ₂ -10P ₂ O ₅ (2 ≤ x ≤ 8) mesoporous bioactive glasses	Garg S., Thakur S., Gupta A., Kaur G., Pandey O.P.	SPMS	Journal of Materials Science: Materials in Medicine	2017	1573-4838
Impact of CuS on the crystallization kinetics of Na ₂ S-P ₂ S ₅ glasses	Sharma P., Jha P.K., Diwan P.K., Pandey O.P.	SPMS	Journal of Non-Crystalline Solids	2017	0022-3093
Influence of modifier on dielectric and ferroelectric properties of aluminosilicate glasses	Kaur B., Singh K., Pandey O.P., Thakur S.	SPMS	Journal of Non-Crystalline Solids	2017	0022-3093
Impact of metal ions (Cr ³⁺ , Co ²⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺) substitution on the structural, magnetic and catalytic properties of substituted Co-Mn ferrites synthesized by sol-gel route	Dhiman M., Bhukal S., Chudasama B., Singhal S.	SPMS	Journal of Sol-Gel Science and Technology	2017	1573-4846
Study on Structural, Multiferroic, Optical and Photocatalytic Properties of Ferroelectromagnetic Nanoparticles: Bi _{0.9} Ba _{0.1} Fe _{0.8} Ti _{0.2} O ₃	Kaur M., Uniyal P.	SPMS	Journal of Superconductivity and Novel Magnetism	2017	1557-1947
Dissipative soliton fiber lasers with higher-order nonlinearity, multiphoton absorption and emission, and random dispersion	Parmar G.S., Jana S., Malomed B.A.	SPMS	Journal of the Optical Society of America B: Optical Physics	2017	1520-8540

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Generation and dynamics of one- and two-dimensional cavity solitons in a vertical-cavity surface-emitting laser with a saturable absorber and frequency-selective feedback	Kaur B., Jana S.	SPMS	Journal of the Optical Society of America B: Optical Physics	2017	1520-8540
Influence of thermal stability on dielectric properties of SiO ₂ -K ₂ O-CaO-MgO glasses	Jha P., Danewalia S.S., Singh K.	SPMS	Journal of Thermal Analysis and Calorimetry	2017	1588-2926
Textural, thermal, optical and electrical properties of Iron nanoparticles dispersed 4'-(Hexyloxy)-4-biphenylcarbonitrile liquid crystal mixture	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Liquid Crystals	2017	1366-5855
Effect of quenching on the structural and dynamic properties of non-aqueous lyotropic mesophases	Shukla R.K., Raina K.K.	SPMS	Liquid Crystals	2017	1366-5855
Effect of thermal cycling process parameters on recrystallization kinetics for processing of fine-grained pure copper	Nanda T., Kumar B.R., Sharma S., Singh V., Pandey O.P.	SPMS	Materials and Manufacturing Processes	2017	1532-2475
Sr doped BiMO ₃ (M = Mn, Fe, Y) perovskites: Structure correlated thermal and electrical properties	Thakur S., Singh K., Pandey O.P.	SPMS	Materials Chemistry and Physics	2017	0254-0584
Catalytic activity of tungsten carbide-carbon (WC@C) core-shell structured for ethanol electro-oxidation	Singla G., Singh K., Pandey O.P.	SPMS	Materials Chemistry and Physics	2017	0254-0584
Structural, electrical and magnetic properties of modified Bi _{1/2} Na _{1/2} TiO ₃ -modified CFO based magnetostrictive (Co _{0.6} Zn _{0.4} Fe _{1.7} Mn _{0.3} O ₄) particulate nanocomposite	Tyagi M., Kumar V., Kaur G., Sharma P.	SPMS	Materials Science Forum	2017	1662-9752
Structure induced tunable magnetic properties of Zn substituted Mn _{1-x} Zn _x Fe ₂ O ₄ (x = 0-1) NPs	Kaur N., Chudasama B.	SPMS	Micro and Nano Letters	2017	1750-0443
On the rapidity distribution of nucleons participating in elliptical flow at intermediate energies	Kaur K., Kumar S.	SPMS	Modern Physics Letters A	2017	1793-6632
Textural and optical studies of magneto-mesogen material for display applications	Khushboo, Malik P., Jayoti D., Sharma P., Raina K.K.	SPMS	Molecular Crystals and Liquid Crystals	2017	1563-5287
Augmenting the catalytic performance of spinel nanoferrites (CoFe ₂ O ₄ and NiFe ₂ O ₄): Via incorporation of Al into the lattice	Goyal A., Bansal S., Chudasama B., Tikoo K.B., Kumar V., Singhal S.	SPMS	New Journal of Chemistry	2017	1369-9261
Interesting structural transformation of CdS from zinc blende into wurtzite during minuscule loading of magnetic nanoparticles: Emergence of heterojunctions with enhanced photocatalytic performance	Malik R., Kaur J., Kaushik A., Sheoran A., Chudasama B., Kumar V., Tikoo K.B., Singhal S.	SPMS	New Journal of Chemistry	2017	1369-9261

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Influence of sticking vs non-sticking limits of moment of inertia and higher order deformations in the decay of $^{214,216}\text{Rn}^*$ compound systems	Mittal R., Jain D., Sharma M.K.	SPMS	Nuclear Physics A	2017	0375-9474
Structural and isospin effects on balance energy and transition energy via different nuclear charge radii parameterizations	Sangeeta, Kaur V.	SPMS	Nuclear Physics A	2017	0375-9474
Analysis of dynamical behavior of reactions associated with $^{118,120,122}\text{Xe}^*$ isotopes	Grover N., Sharma I., Kaur G., Sharma M.K.	SPMS	Nuclear Physics A	2017	0375-9474
Competing analysis of α and $2p2n$ -emission from compound nuclei formed in neutron induced reactions	Kaur A., Sharma M.K.	SPMS	Nuclear Physics A	2017	0375-9474
Dispersion managed dissipative solitons with higher order nonlinearity and frequency-selective feedback	Bhambri K., Singh G., Gupta N., Deb D., Jana S.	SPMS	Optical and Quantum Electronics	2017	1572-817X
Magnetic properties of undoped and Al doped layered $\alpha\text{-Co}(\text{OH})_2$	Gupta A., Tiwari S.D.	SPMS	Physica B: Condensed Matter	2017	0921-4526
Superparamagnetic behavior of antiferromagnetic six lines ferrihydrite nanoparticles	Rani C., Tiwari S.D.	SPMS	Physica B: Condensed Matter	2017	0921-4526
Tactics of particle size for enhanced multiferroic properties in nanoscale Ca-doped BiFeO_3	Dhir G., Uniyal P., Verma N.K.	SPMS	Physica Status Solidi (C) Current Topics in Solid State Physics	2017	1610-1642
Spontaneous fission and competing ground state decay modes of actinide and transactinide nuclei	Sharma K., Sawhney G., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2017	2469-9993
Role of different parts of the nucleon-nucleon potential on fragment production in asymmetric collisions and their rapidity dependence	Kaur M., Kaur M., Kaur V.	SPMS	Physical Review C - Nuclear Physics	2017	2469-9993
Evidence for the Role of Proton Shell Closure in Quasifission Reactions from X-Ray Fluorescence of Mass-Identified Fragments	Morjean M., Hinde D.J., Simenel C., Jeung D.Y., Airiau M., Cook K.J., Dasgupta M., Drouart A., Jacquet D., Kalkal S., Palshetkar C.S., Prasad E., Rafferty D., Simpson E.C., Tassan-Got L., Vo-Phuoc K., Williams E.	SPMS	Physical Review Letters	2017	1079-7114
On developing improved modelling and scale-up procedures for pneumatic conveying of fine powders	Kaur B., Mittal A., Wypych P., Mallick S.S., Jana S.	SPMS	Powder Technology	2017	0032-5910
Properties of $\text{JP} = 1/2^+$ baryon octets at low energy	Kaur A., Gupta P., Upadhyay A.	SPMS	Progress of Theoretical and Experimental Physics	2017	2050-3911
Thermal and structural studies of carbon coated Mo_2C synthesized via in-situ single step reduction-carburization	Mir R.A., Sharma P., Pandey O.P.	SPMS	Scientific Reports	2017	2045-2322

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Optimization of High Conducting Na ₃ Zr ₂ Si ₂ PO ₁₂ Phase by new Phosphate Salt for Solid Electrolyte	Jha P.K., Pandey O.P., Singh K.	SPMS	Silicon	2017	1876-9918
Development of ion conducting ionic liquid-based gel polymer electrolyte membrane PMMA/BMPyr.TFSI - With improved electrical, optical, thermal and structural properties	K.P.S.H., Thayyil M.S., Deshpande S.K., T.V.J., Kolte J.	SPMS	Solid State Ionics	2017	0167-2738
Effect of La on Magnetic Properties of BaFe ₁₂ O ₁₉	Shekhawat D., Verma S., Sharma P.	SPMS	Transactions of the Indian Ceramic Society	2017	2165-5456
Study of cold fusion reactions using collective clusterization approach	Gurjit Kaur, Kirandeep Sandhu, Manoj K. Sharma,	SPMS	Commun. Theor. Phys.	2017	0253-6102
Crystal structure and electronic properties of Sr-substituted barium disilicide Ba _{1-x} Sr _x Si ₂ for solar cells: Computational and experimental studies	Imai M., Kumar M., Matsushita Y., Umezawa N.	SPMS	Acta Materialia	2018	1359-6454
Efficient photodegradation of methylene blue (MB) under solar radiation by ZrC nanoparticles	Singh Vig A., Gupta A., Pandey O.P.	SPMS	Advanced Powder Technology	2018	0921-8831
Elucidating doping driven microstructure evolution and optical properties of lead sulfide thin films grown from a chemical bath	Mohanty B.C., Bector K., Laha R.	SPMS	Applied Surface Science	2018	0169-4332
Optical and thermal properties of glasses and glass-ceramics derived from agricultural wastes	Sharma G., Arya S.K., Singh K.	SPMS	Ceramics International	2018	0272-8868
Structural, electrical, magnetic and magnetoelectric properties of Co-doped BaTiO ₃ multiferroic ceramics	Rani A., Kolte J., Gopalan P.	SPMS	Ceramics International	2018	0272-8869
Influence of graphitic/amorphous coated carbon on HER activity of low temperature synthesized β-Mo ₂ C@C nanocomposites	Mir R.A., Pandey O.P.	SPMS	Chemical Engineering Journal	2018	1385-8947
Spontaneous fission of the end product in α-decay chain of recoiled superheavy nucleus: A theoretical study	Kaur A., Sawhney G., Sharma M.K., Gupta R.K.	SPMS	International Journal of Modern Physics E	2018	1793-6608
Nanoantibiotics: strategic assets in the fight against drug-resistant superbugs	Khurana C., Chudasama B.	SPMS	International journal of nanomedicine	2018	1178-2013
Conductivity, dielectric, and structural studies of (30-x)SrO-xBaO-10Al ₂ O ₃ -45SiO ₂ -5B ₂ O ₃ -10Y ₂ O ₃ (5 ≤ x ≤ 25) glasses	Kaur N., Kaur G., Khan S., Singh K.	SPMS	Ionics	2018	1862-0760
Facile in-situ synthesis of NbB ₂ nanoparticles at low temperature	Gupta A., Singhal V., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Synthesis of molybdenum nitride (Mo ₂ N) nanoflakes via in-situ reduction-nitridation	Sidana H.K., Mir R.A., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2018	0925-8388

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Burgeoning tool of biomedical applications - Superparamagnetic nanoparticles	Khanna L., Verma N.K., Tripathi S.K.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Template free synthesis route to monophasic BaMgAl10O17:Eu2+ with high luminescence efficiency	Jeet S., Pandey O.P.	SPMS	Journal of Alloys and Compounds	2018	0925-8388
Influence of CuO/MgO ratio on the gene expression, cytocompatibility, and antibacterial/anticancerous/analgesic drug loading kinetics for (15-x) CuO-xMgO-10P2O5-60SiO2-10CaO-5ZnO (2.5 ≤ x ≤ 12.5) mesoporous bioactive glasses	Bains R., Sharma P., Mir R.A., Jeet S., Kaur G., Pandey O.P.	SPMS	Journal of Biomedical Materials Research - Part A	2018	1552-4965
Cavity Soliton Molecules and All-Optical Push-Broom Effect	Kaur B., Jana S.	SPMS	Journal of Lightwave Technology	2018	0733-8724
Effect of thermal aging on stability of transformer oil based temperature sensitive magnetic fluids	Kaur N., Chudasama B.	SPMS	Journal of Magnetism and Magnetic Materials	2018	0304-8853
Tunable Curie temperature of Mn0.6Zn0.4Fe2O4 nanoparticles	Kaur N., Chudasama B.	SPMS	Journal of Magnetism and Magnetic Materials	2018	0304-8853
Effect of Tb3+ ion substitution on structural, optical and magnetic properties of CdS nanoparticles	Jindal S., Kaur K., Verma N.K., Sharma P.	SPMS	Journal of Materials Science: Materials in Electronics	2018	1573-482X
Role of pH on the photocatalytic activity of TiO2 tailored by W/T mole ratio	Kaur H., Kumar S., Verma N.K., Singh P.	SPMS	Journal of Materials Science: Materials in Electronics	2018	1573-482X
Mechanical and thermal properties of SrO/BaO modified Y2O3-Al2O3-B2O3-SiO2 glasses and their compatibility with solid oxide fuel cell components	Kaur N., Kaur G., Kumar D., Singh K.	SPMS	Journal of Physics and Chemistry of Solids	2018	0022-3697
Aluminum and chromium substituted Z-type hexaferrites for antenna and microwave absorber applications	Basandrai D., Bedi R.K., Dhami A., Sharma J., Narang S.B., Pubby K., Gupta A., Srivastava A.K.	SPMS	Journal of Sol-Gel Science and Technology	2018	1573-4846
Intriguing role of TiO2 in glass-ceramics: Bioactive and magneto-structural properties	Danewalia S.S., Singh K.	SPMS	Journal of the American Ceramic Society	2018	1551-2916
Size-dependent studies in ferromagnetic nanoparticles dispersed ferroelectric liquid crystal mixtures	Khushboo, Sharma P., Malik P., Raina K.K.	SPMS	Liquid Crystals	2018	1366-5855
Braunite phase embedded Y2O3/MnO2-Al2O3-CaO-SiO2 glass ceramics and their properties	Bansal N., Kaur G., Singh K.	SPMS	Materials Research Bulletin	2018	0025-5408
Antimicrobial and bioactive phosphate-free glass-ceramics for bone tissue engineering applications	Jha P., Danewalia S.S., Sharma G., Singh K.	SPMS	Materials Science and Engineering C	2018	0928-4931
Heavy-ion collision dynamics: Correlation with elliptic flow and nuclear stopping	Deepshikha, Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474

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Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Investigation of nuclear stopping observable in heavy ion collisions	Deepshikha, Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Comprehensive study of memory loss for mass symmetric colliding nuclei at intermediate energy	Deepshikha, Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Dynamics of $^{17}\text{F} + ^{58}\text{Ni}$ reaction via complete and incomplete fusion processes at above barrier energies	Grover N., Sandhu K., Sharma M.K.	SPMS	Nuclear Physics A	2018	0375-9474
On the study of rotational effects in mass asymmetric colliding nuclei at intermediate energies	Kaur K., Kumar S.	SPMS	Nuclear Physics A	2018	0375-9474
Decay of Plutonium isotopes via spontaneous and heavy-ion induced fission paths	Sharma K., Sawhney G., Sharma M.K., Gupta R.K.	SPMS	Nuclear Physics A	2018	0375-9474
Effect of deformations on the compactness of odd-Z superheavy nuclei formed in cold and hot fusion reactions	Kaur G., Sandhu K., Sharma M.K.	SPMS	Nuclear Physics A	2018	0375-9474
Analysis of intermediate and light mass fragments from composite systems $^{26-29}\text{Al}^*$ formed in $^{16}\text{O} + ^{18,10,11}\text{B}$ reactions	Kaur M., Singh B., Sharma M.K., Gupta R.K.	SPMS	Nuclear Physics A	2018	0375-9474
Fragmentation analysis of α -induced reactions using clusterization approach	Kaur A., Sharma M.K.	SPMS	Nuclear Physics A	2018	0375-9474
Multiferroic properties of Sr-doped BiFeO_3 nanoparticles	Dhir G., Uniyal P., Verma N.K.	SPMS	Physica B: Condensed Matter	2018	0921-4526
Optical, Physical and Structural Properties of Er^{3+} Doped Low-Phonon Energy Vitreous Matrix: $\text{ZnO-B}_2\text{O}_3\text{-TeO}_2$	Chopra N., Kaur S., Kaur M., Singla S., Marwaha R., Sharma G., Heer M.S.	SPMS	Physica Status Solidi (A) Applications and Materials Science	2018	1862-6319
Interplay of charge clustering and weak binding in reactions of Li^8	Cook K.J., Carter I.P., Simpson E.C., Dasgupta M., Hinde D.J., Bezzina L.T., Kalkal S., Sengupta C., Simenel C., Swinton-Bland B.M.A., Vo-Phuoc K., Williams E.	SPMS	Physical Review C - Nuclear Physics	2018	2469-9993
Dynamics of Db isotopes formed in reactions induced by ^{238}U , ^{248}Cm , and ^{249}Bk across the Coulomb barrier	Kaur G., Sandhu K., Kaur A., Sharma M.K.	SPMS	Physical Review C - Nuclear Physics	2018	2469-9993
Analysis of strong decays of charmed mesons D_2^* (2460), D_0 (2560), D_2 (2740), D_1 (3000), D_2^* (3000), and their spin partners D_1^* (2680), D_3^* (2760), and D_0^* (3000)	Gupta P., Upadhyay A.	SPMS	Physical Review D	2018	2470-0029
Stability and phase space analysis of fluidized-dense phase pneumatic transport system	Kaur B., Mittal A., Jana S., Mallick S.S., Wypych P.	SPMS	Powder Technology	2018	0032-5910

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Origin of enhanced piezoelectric properties and room temperature multiferroism in MnO ₂ added 0.90(Li _{0.12} Na _{0.88} NbO ₃)-0.10BaTiO ₃ ceramic	Mitra S., Karthik T., Kolte J., Ade R., Venkataramani N., Kulkarni A.R.	SPMS	Scripta Materialia	2018	1359-6462
Role of oxygen vacancies in Ag/Au doped CeO ₂ nanoparticles for fast photocatalysis	Mittal M., Gupta A., Pandey O.P.	SPMS	Solar Energy	2018	0038-092X
Visible irradiation induced photodegradation by NbC/C nanocomposite derived from smoked cigarette litter (filters)	Gupta A., Pandey O.P.	SPMS	Solar Energy	2018	0038-092X
Effect of dual particle size (DPS) on dry sliding wear behaviour of LM30/sillimanite composites	Sharma S., Nanda T., Pandey O.P.	SPMS	Tribology International	2018	0301-679X
Hydrothermal synthesis of Eu ³⁺ -doped Gd ₂ O ₃ nanophosphors and its Judd-Ofelt analysis	Priya R., Pandey O.P.	SPMS	Vacuum	2018	0042-207X
Influence of carbon content of nano-TaC powders on the electrocatalytic and photocatalytic properties	Loveleen K. Brar, Aayush Gupta, O. P. Pandey	SPMS	Catalysis Today	2018	0920-5861